

Datasheet for ABIN3091638

## WDR65 Protein (AA 1-1250) (Strep Tag)



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### Overview

|                               |                                                |
|-------------------------------|------------------------------------------------|
| Quantity:                     | 250 µg                                         |
| Target:                       | WDR65                                          |
| Protein Characteristics:      | AA 1-1250                                      |
| Origin:                       | Human                                          |
| Source:                       | Cell-free protein synthesis (CFPS)             |
| Protein Type:                 | Recombinant                                    |
| Purification tag / Conjugate: | This WDR65 protein is labelled with Strep Tag. |
| Application:                  | ELISA, SDS-PAGE (SDS), Western Blotting (WB)   |

### Product Details

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Brand:    | AliCE®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sequence: | <p>MSAVVAQTLH VFGLRSHVAN NIFYFDEQII IFPSGNHCVK YNVDQKWQKF IPGSEKSQGM</p> <p>LALSIPNRR YLAISSETVQE KPAITIELS SIPCRKRKVL NNDFQVQKF ISMAFSPDSK</p> <p>YLLAQTSPPE SNLVYWLWEK QKVMAIVRID TQNNPVYQVS FSPQDNTQVC VTGNMGFKLL</p> <p>RFAEGLTKQT SFQRGEPQNY LAHTWWADDK IVVGTDGKGL FLFESGDQRW ETSIMVKEPT</p> <p>NGSKSLDVIQ ESESLIEFPP VSSPLPSYEQ MVAASSHSQM SMPQVFAIAA YSKGFACSAG</p> <p>PGRVLLFEKM EEKDFYRESR EIRIPVDPQS NDPSQSDKQD VLCLCFSPSE ETLVASTSKN</p> <p>QLYSITMSLT EISKGEPAHF EYLMYPLHSA PITGLATCIR KPLIATCSLD RSIRLWNYET</p> <p>NTLELFKEYQ EEAYSISLHP SGHFIVVGFA DKLRLMNLII DDIRSFKEYS VRGCGECSFS</p> <p>NGGHLFAAVN GNVIHVYTTT SLENISSLKG HTGKIRSIVW NADDSKLISG GTDGAVYEWN</p> <p>LSTGKRETEC VLKSCSYNCV TVSPDAKIIF AVGSDHTLKE IADSLILREI SAFDVTYTAI</p> <p>VISHSGRMMF VGTSVGTIRA MKYPLPLQKE FNEYQAHAGP ITKMLLTFDD QFLLTAAEDG</p> |

CLFTWKVFDK DGRGIKRERE VGFAEEVLVT KTDMEEKAQV MLELKTRVEE LKMENEYQLR  
LKDMNYSEKI KELTDKFIQE MESLKTKNQV LRTEKEKQDV YHHEHIEDLL DKQSRELQDM  
ECCNNQKLLL EYEKYQELQL KSQRMQEEYE KQLRDNDETK SQALEELTEF YEAKLQEKTT  
LLEEAQEDVR QQLREFEETK KQIEEDEDRE IQDIKTYEK KLRDEKESNL RLKGETGIMR  
KKFSSLQKEI EERTNDIETL KGEQMKLQGV IKSLEKDIQG LKREIQUERDE TIQDKEKRIY  
DLKKKNQELG KFKFVLDYKI KELKKQIEPR ENEIRVMKEQ IQEMEAELN FHKQNTQLEL  
NITELWQKLR ATDQEMRRER QKERDLEALV KRFKTDLHNC VAYIQEPRLK KEKVRGLFEK  
YVQRADMVEI AGLNTDLQGE YTRQREHLER NLATLKKKV VKEGELHRTDY VRIMQENVSL  
IKEINELRRE LKFTRSQVYD LEAALKLTKK VRPQEVSETE PSRDMLSTAP TARLNEQEET  
GRIIEMQRLE IQRLRDQIQE QEQVTGFHTL AGVRLPSLSN SEVDLEVKTN

**Sequence without tag. The proposed Strep-Tag is based on experience s with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a **made-to-order protein** and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

The big advantage of ordering our **made-to-order proteins** in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

#### Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

## Product Details

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### Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

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| Purification: | One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®). |
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|         |                                                                              |
|---------|------------------------------------------------------------------------------|
| Purity: | > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC). |
|---------|------------------------------------------------------------------------------|

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|        |             |
|--------|-------------|
| Grade: | custom-made |
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## Target Details

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|         |       |
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| Target: | WDR65 |
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|-------------------|-------------------------------------------|
| Alternative Name: | CFAP57 ( <a href="#">WDR65 Products</a> ) |
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|-------------|-----------------------------------------------------------------------------|
| Background: | Cilia- and flagella-associated protein 57 (WD repeat-containing protein 65) |
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|                   |           |
|-------------------|-----------|
| Molecular Weight: | 145.0 kDa |
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|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">Q96MR6</a> |
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## Application Details

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| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
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|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Comment: | <p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.</p> <p>During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!</p> |
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Application Details

Restrictions: For Research Use only

Handling

|                  |                                                                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:          | Liquid                                                                                                                                                           |
| Buffer:          | The buffer composition is at the discretion of the manufacturer.<br>Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol <b>Might differ depending on protein.</b> |
| Handling Advice: | Avoid repeated freeze-thaw cycles.                                                                                                                               |
| Storage:         | -80 °C                                                                                                                                                           |
| Storage Comment: | Store at -80°C.                                                                                                                                                  |
| Expiry Date:     | 12 months                                                                                                                                                        |