

Datasheet for ABIN3117910

## WDR11 Protein (AA 1-1224) (Strep Tag)



[Go to Product page](#)

### Overview

Quantity:	250 µg
Target:	WDR11
Protein Characteristics:	AA 1-1224
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR11 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MLPYTVNFKV SARTLTGALN AHNKAAVDWG WQGLIAYGCH SLVVVIDSIT AQTLQVLEKH</p> <p>KADVVKVKA RENYHHNIGS PYCLRLASAD VNGKIIVWDV AAGVAQCEIQ EHAKPIQDVQ</p> <p>WLWNQDASRD LLLAIHPPNY IVLWNADTGT KLWKKSADN ILSFSDFPFD PSHLTLLTSE</p> <p>GIVFISDFSP SKPPSGPGKK VYISSPHSSP AHNKLATATG AKKALNKVKI LITQEKPSAE</p> <p>FITLNDCLQL AYLPSCRNHM LLLYPREILI LDLEVNQTVG VIAIERTGVP FLQVIPCFQR</p> <p>DGLFCLHENG CITLVRRSY NNIFTTSNEE PDPDPVQELT YDLRSQCDAI RVTKTVRPFS</p> <p>MVCCPVNENA AALVSDGRV MIWELKSAVC NRNSRNSSSG VSPLYSPVSF CGIPVGVLQN</p> <p>KLPDLSLDNM IGQSAIAGEE HPRGSILREV HLKFLTGLL SGLPAPQFAI RMCPLTTKN</p> <p>IKMYQPLLAV GTSNGSVLVY HLTSGLLHKE LSIHSCEVKG IEWTSLSFSL SFATSTPNNM</p> <p>GLVRNELQLV DLPTGRSIAF RGERGNDESA IEMIKVSHLK QYLAVVFRDK PLELWDVRTC</p> <p>TLLREMSKNF PTITALEWSP SHNLKSLRKK QLATREAMAR QTVVSDTELS IVESSVISLL</p>

QEASKSELS QNISAREHFV FTDIDGQVYH LTVEGNSVKD SARIPPDGSM GSITCIAWKG  
DTLVLGDMDG NLNFWDLKGR VSRGIPTHRS WVRKIRFAPG KGNQKLIAMY NDGAEVWDTK  
EVQMVSSLRS GRNVTFRILD VDWCTSDKVI LASDDGCIRV LEMSMKSACF RMDEQELTEP  
VWCPYLLVPR ASLALKAFLL HQPWNGQYSL DISHVDYPEN EEIKNLLQEQ LNSLSNDIKK  
LLLDPEFTLL QRCLLVSRLY GDESELHFWT VAAHYLHSLS QEKSASTTAP KEAAPRDKLS  
NPLDICYDVL CENAYFQKFQ LERVNLQEVK RSTYDHTRKC TDQLLLLGQT DRAVQLLLET  
SADNQHYECD SLKACLVTTV TSSGPSQSTI KLVATNMIAN GKLAEGVQLL CLIDKAADAC  
RYLQTYGEWN RAAWLAKVRL NPEECADVLR RWVDHLCSPQ VNQKSKALLV LLSLGCFFSV  
AETLHSMRYF DRAALFVEAC LKYGAFEVTE DTEKLITAIY ADYARSLKNL GFKQGAVLFA  
SKAGAAGKDL LNELESPKEE PEE

**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.**

---

### 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

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.

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

## Target Details

Target:	WDR11
Alternative Name:	WDR11 ( <a href="#">WDR11 Products</a> )
Background:	<p>WD repeat-containing protein 11 (Bromodomain and WD repeat-containing protein 2) (WD repeat-containing protein 15),FUNCTION: Involved in the Hedgehog (Hh) signaling pathway, is essential for normal ciliogenesis (PubMed:29263200). Regulates the proteolytic processing of GLI3 and cooperates with the transcription factor EMX1 in the induction of downstream Hh pathway gene expression and gonadotropin-releasing hormone production (PubMed:29263200). WDR11 complex facilitates the tethering of Adaptor protein-1 complex (AP-1)-derived vesicles. WDR11 complex acts together with TBC1D23 to facilitate the golgin-mediated capture of vesicles generated using AP-1 (PubMed:29426865). {ECO:0000269 PubMed:29263200, ECO:0000269 PubMed:29426865}.</p>
Molecular Weight:	136.7 kDa
UniProt:	<a href="#">Q9BZH6</a>

## Application Details

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.
Comment:	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

Application Details

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!

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. 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