

Datasheet for ABIN3096351

WDR35 Protein (AA 1-1181) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	WDR35
Protein Characteristics:	AA 1-1181
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR35 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MFFYLSKKIS IPNNVKLQCV SWNKEQGFIA CGGEDGLLKV LKLETQTDDA KLRGLAAPSN</p> <p>LSMNQTLEGH SGSVQVVTWN EQYQKLTTSD ENGLIIVWML YKGSWIEEMI NNRNKSIVRS</p> <p>MSWNADGQKI CIVYEDGAVI VGSVDGNRIW GKDLKGIQLS HVTWSADSKV LLFGMANGEI</p> <p>HIYDNQGNFM IKMKLSCLVN VTGAISIAGI HWYHGTEGYV EPDCPCLAVC FDNGRCQIMR</p> <p>HENDQNPVLI DTGMYVVGIIQ WNHMGSVLAV AGFQKAAMQD KDVNIVQFYT PFGEHLGTLK</p> <p>VPGKEISALS WEGGGLKIAL AVDSFIYFAN IRPNYKWGYC SNTVVYAYTR PDRPEYCVVF</p> <p>WDTKNNEKYV KYVKGLISIT TCGDFCILAT KADENHPQEE NEMETFGATF VLVLCNSIGT</p> <p>PLDPKYIDIV PLFVAMTKTH VIAASKEAFY TWQYRVAKKL TALEINQITR SRKEGRERIY</p> <p>HVDDTPSGSM DGVLDYSKTI QGTRDPICAI TASDKILIVG RESGTIQRYS LPNVGLIQKY</p> <p>SLNCRAYQLS LNCNSSRLAI IDISGVLTFE DLDARVTDST GQQVVGELLK LERRDVWDMK</p> <p>WAKDNPDLFA MMEKTRMYVF RNLDPEEPIQ TSGYICNFED LEIKSVLLDE ILKDPEHPNK</p>

DYLNFEIRS LRDSRALIEK VGIKDAQFI EDNPHRLWR LLAEALQKL DLYTAEQAFV
RCKDYQGIKF VKRLGKLLSE SMKQAEVVG YFGRFEEAERT YLEMDRRDLA IGLRLKLGDW
FRVLQLLKTG SGDADDSLLE QANNAIGDYF ADRQKWLNNAV QYYVQGRNQE RLAECYYMLE
DYEGLENLAI SLPENHKLLP EIAQMFVRVG MCEQAVTAFL KCSQPKAAMD TCVHLNQWNK
AVELAKNHSM KEIGSLLARY ASHLLKKNKT LDAIELYRKA NYFFDAAKLM FKIADEEAKK
GSKPLRVKKL YVLSALLIEQ YHEQMKNQAR GKVKGKSSEA TSALAGLLEE EVLSTTDRFT
DNAWRGAEAY HFFILAQRQL YEGCVDLTALK TALHLKDYED IIPPVEIYSL LALCACSRA
FGTCSKAFIK LKSLETLSSE QKQQYEDLAL EIFTKHTSKD NRKPELDSLM EGGEGLPTC
VATGSPITEY QFWMCSVCKH GVLAQEISHY SFCPLCHSPV G

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: WDR35

Alternative Name: WDR35 ([WDR35 Products](#))

Background: WD repeat-containing protein 35 (Intraflagellar transport protein 121 homolog),FUNCTION: As a component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein-coupled receptors (GPCRs), it is involved in ciliogenesis and ciliary protein trafficking (PubMed:21473986, PubMed:28400947, PubMed:29220510). May promote CASP3 activation and TNF-stimulated apoptosis. {ECO:0000269|PubMed:20193664, ECO:0000269|PubMed:21473986, ECO:0000269|PubMed:28400947, ECO:0000269|PubMed:29220510}.

Molecular Weight: 133.5 kDa

UniProt: [Q9P2L0](#)

Pathways: [Hedgehog Signaling](#)

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 even the most difficult-to-express proteins, including those that require post-translational modifications.

Application Details

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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 Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months