

Datasheet for ABIN3096380

WDR19 Protein (AA 1-1342) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	WDR19
Protein Characteristics:	AA 1-1342
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR19 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MKRIFSLLEK TWLGAPIQFA WQKTSIGNYLA VTGADYIVKI FDRHGQKRSE INLPGNVCVAM</p> <p>DWDKDGDLA VIAEKSSCIY LWDANTNKTS QLDNGMRDQM SFLWSKVGS FLAVGTVKGN</p> <p>LLIYNHQTSR KIPVLGKHTK RITCGCWNAE NLLALGGEDK MITVSNQEGD TIRQTQVRSE</p> <p>PSNMQFFLMK MDDRTSAAES MISVVLGKKT LFFLNLPED NPADLEFQQD FGNIVCYNWY</p> <p>GDGRIMIGFS CGHFVVISTH TGELGQEIFQ ARNHKDNLS IAVSQTNLKV ATCGDNCKIK</p> <p>QDLVDLKDMY VILNLDEENK GLGTLSTWDD GQLLALSTQR GSLHVFLTKL PILGDACSTR</p> <p>IAYLTSLELV TVANPVEGEL PITVSVDVEP NFVAVGLYHL AVGMNNRAWF YVLGENAVKK</p> <p>LKDMEYLGTV ASICLHSDYA AALFEGKVQL HLIASEILDA QEERETRLFP AVDDKCRILC</p> <p>HALTSDFLIY GTDTGVVQYF YIEDWQFVND YRHPVSVKKI FPDPNGTRLV FIDEKSDGFV</p> <p>YCPVNDATYE IPDFSPTIKG VLWENWPMDK GVFIAYDDDK VYTYVFHKDT IQGAKVILAG</p> <p>STKVPFAHKP LLLYNGELTC QTQSGKVNNI YLSTHGFLSN LKDTGPDELRL PMLAQNLMKL</p>

RFSDAWEMCR ILNDEAAWNE LARACLHHME VEFAIRVYRR IGNVGIVMSL EQIKGIEDYN
LLAGHLAMFT NDYNLAQDLY LASSCPIAAL EMRRDLQHWD SALQLAKHLA PDQIPFISKE
YAIQLEFAGD YVNALAHYEK GITGDNKEHD EACLAGVAQM SIRMGDIRRG VNQALKHPSR
VLKRDCGAIL ENMKQFSEAA QLYEKGLYYD KAASVYIRSK NWAKVGDLLP HVSSPKIHLQ
YAKAKEADGR YKEAVVAYEN AKQWQSVIRI YLDHLNNPEK AVNIVRETQS LDGAKMVARF
FLQLGDYGSA IQFLVMSKCN NEAFTLAQQH NKMEIYADII GSEDTTNEDY QSIALYFEGE
KRYLQAGKFF LLCGQYSRAL KHFLKCPSSSE DNVAIEMAIE TVGQAKDELL TNQLIDHLLG
ENDGMPKDAK YLFRLYMALK QYREAAQTAI IAREEQSAG NYRNAHDVLF SMYAEKLSQK
IKIPSEMATN LMILHSYILV KIHVKNGDHM KGARMLIRVA NNISKFPSHI VPILTSTVIE
CHRAGLKNSA FSFAAMLMP EYRSKIDAKY KKKIEGMVRR PDISEIEEAT TPCPFCKFLL
PECELLCPGC KNSIPYCIAT GRHMLKDDWT VCPHCDFPAL YSELKIMLNT ESTCPMCSE
LNAAQLKKIS DCTQYLRTEE EL

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

Product Details

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!

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:	WDR19
Alternative Name:	WDR19 (WDR19 Products)
Background:	WD repeat-containing protein 19 (Intraflagellar transport 144 homolog),FUNCTION: As 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 cilia function and/or assembly (PubMed:20889716). Essential for functional IFT-A assembly and ciliary entry of GPCRs (PubMed:20889716). Associates with the BBSome complex to mediate ciliary transport (By similarity). {ECO:0000250 UniProtKB:Q3UGF1, ECO:0000269 PubMed:20889716}.
Molecular Weight:	151.6 kDa
UniProt:	Q8NEZ3
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 <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce

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