

Datasheet for ABIN3096308

WDR7 Protein (AA 1-1490) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	WDR7
Protein Characteristics:	AA 1-1490
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR7 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MAGNSLVLP I VLWGRKAPTH CISAVLLTDD GATIVTGCHD GQICLWDLSV ELQINPRALL</p> <p>FGHTASITCL SKACASSDKQ YIVSASESGE MCLWDVSDGR CIEFTKLACT HTGIQFYQFS</p> <p>VGNQREGRL CHGHYPEILV VDATSLEVLY SLVSKISPDW ISSMSIIRSH RTQEDTVVAL</p> <p>SVTGILKVWI VTSEISDMQD TEPIFEEESK PIYCQNCQSI SFCAFTQRSL LVCISKYWRV</p> <p>FDAGDYSLLC SGPSENGQTW TGGDFVSSDK VIIWTENGQS YIYKLPASCL PASDSFRSDV</p> <p>GKAVENTLIPP VQHILLDRKD KELLICPPVT RFFYGCREYF HKLLIQGDSS GRLNIWNISD</p> <p>TADKQGSEEG LAMTTSISLQ EAFDKLNPCP AGIIDQLSVI PNSNEPLKVT ASVYIPAHGR</p> <p>LVCGREGDSI VIVPATQTAI VQLLQGEHML RRGWPPHRTL RGHNRKVTCL LYPHQVSARY</p> <p>DQRYLISGGV DFSVIIWDIF SGEMKHIFCV HGGEITQLLV PPENC SARVQ HCICSVASDH</p> <p>SVGLLSLREK KCIMLASRHL FPIQVIKWRP SDDYLVVGCS DGSVYVWQMD TGALDRCVMG</p> <p>ITAVEILNAC DEAVPAAVDS LSHPAVNLIKQ AMTRRSAL KMAHHKLQT LATNLLASEA</p>

SDKGNLPKYS HNSLMVQAIK TNLTDPDIHV LFFDVEALII QLLTEEASRP NTALISPENL
QKASGSSDKG GSFLTGKRAA VLFQQVKETI KENIKEHLLD DEEEDEEIMR QRREESDPEY
RSSKSKPLTL LEYNLTMDTA KLFMSCLHAW GLNEVLDEVCLDRLGMLKPH CTVSFGLLSR
GGHMSMLPG YNQPACKLSH GKTEVGRKLP ASEGVGKGTY GVSRAVTTQH LLSIISLANT
LMSMTNATFI GDHMKKGPTR PPRPSTPDLS KARGSPPTSS NIVQGQIKQV AAPVVSARSD
ADHSGSDPPS APALHTCFLV NEGWSQLAAM HCVMLPDLLG LDKFRPPLLE MLARRWQDRC
LEVREAAQAL LLAELRRIEQ AGRKEAIDAW APYLPQYIDH VISPGVTSEA AQTITTAPDA
SGPEAKVQEE EHDLVDDIT TGCLSSVPQM KKISTSYEER RKQATAIVLL GVIGAEFGAE
IEPPKLLTRP RSSSQIPEGF GLTSGGSNYS LARHTCKALT FLLLQPPSPK LPPHSTIRRT
AIDLIGRGFT VWEPYMDVSA VLMGLLELCA DAEKQLANIT MGLPLSPAAD SARSARHALS
LIATARPPAF ITTIAKEVHR HTALAANTQS QQNMHTTTLA RAKGEILRVI EILIEKMPTD
VVDLLVEVMD IIMYCLEGSL VKKKGLQECF PAICRFYMVS YYERNHRIAV GARHGSVALY
DIRTGKCQTI HGHKGPIAV AFAPDGRYLA TYSNTDSHIS FWQMNTSLLG SIGMLNSAPQ
LRCIKTYQVP PVQPASPGSH NALKLARLIW TSNRNVILMA HDGKEHRFMV

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

Product Details

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!

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:	WDR7
Alternative Name:	WDR7 (WDR7 Products)
Background:	WD repeat-containing protein 7 (Rabconnectin-3 beta) (TGF-beta resistance-associated protein TRAG)
Molecular Weight:	163.8 kDa
UniProt:	Q9Y4E6

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:	<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</p>

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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