

Datasheet for ABIN3096315 WDR6 Protein (AA 1-1121) (Strep Tag)



Overview

Quantity:	250 µg
Target:	WDR6
Protein Characteristics:	AA 1-1121
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR6 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MDALEDYVWP RATSELILLP VTGLECVGDR LLAGEGPDVL VYSLDFGGHL RMIKRVQNLL
	GHYLIHGFRV RPEPNGDLDL EAMVAVFGSK GLRVVKISWG QGHFWELWRS GLWNMSDWIW
	DARWLEGNIA LALGHNSVVL YDPVVGCILQ EVPCTDRCTL SSACLIGDAW KELTIVAGAV
	SNQLLVWYPA TALADNKPVA PDRRISGHVG IIFSMSYLES KGLLATASED RSVRIWKVGD
	LRVPGGRVQN IGHCFGHSAR VWQVKLLENY LISAGEDCVC LVWSHEGEIL QAFRGHQGRG
	IRAIAAHERQ AWVITGGDDS GIRLWHLVGR GYRGLGVSAL CFKSRSRPGT LKAVTLAGSW
	RLLAVTDTGA LYLYDVEVKC WEQLLEDKHF QSYCLLEAAP GPEGFGLCAM ANGEGRVKVV
	PINTPTAAVD QTLFPGKVHS LSWALRGYEE LLLLASGPGG VVACLEISAA PSGKAIFVKE
	RCRYLLPPSK QRWHTCSAFL PPGDFLVCGD RRGSVLLFPS RPGLLKDPGV GGKARAGAGA
	PVVGSGSSGG GNAFTGLGPV STLPSLHGKQ GVTSVTCHGG YVYTTGRDGA YYQLFVRDGQ
	LQPVLRQKSC RGMNWLAGLR IVPDGSMVIL GFHANEFVVW NPRSHEKLHI VNCGGGHRSW

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	AFSDTEAAMA FAYLKDGDVM LYRALGGCTR PHVILREGLH GREITCVKRV GTITLGPEYG
	VPSFMQPDDL EPGSEGPDLT DIVITCSEDT TVCVLALPTT TGSAHALTAV CNHISSVRAV
	AVWGIGTPGG PQDPQPGLTA HVVSAGGRAE MHCFSIMVTP DPSTPSRLAC HVMHLSSHRL
	DEYWDRQRNR HRMVKVDPET RYMSLAVCEL DQPGLGPLVA AACSDGAVRL FLLQDSGRIL
	QLLAETFHHK RCVLKVHSFT HEAPNQRRRL LLCSAATDGS LAFWDLTTML DHDSTVLEPP
	VDPGLPYRLG TPSLTLQAHS CGINSLHTLP TREGHHLVAS GSEDGSLHVF VLAVEMLQLE
	EAVGEAGLVP QLRVLEEYSV PCAHAAHVTG LKILSPSIMV SASIDQRLTF WRLGHGEPTF
	MNSTVFHVPD VADMDCWPVS PEFGHRCALG GQGLEVYNWY D
	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:
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).
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).

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 posttranslational 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!

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:	WDR6
Alternative Name:	WDR6 (WDR6 Products)
Background:	TRNA (34-2'-O)-methyltransferase regulator WDR6 (WD repeat-containing protein 6),FUNCTION: Together with methyltransferase FTSJ1, methylates the 2'-O-ribose of nucleotides at position 34 of the tRNA anticodon loop of substrate tRNAs (PubMed:32558197, PubMed:33771871). Required for the correct positioning of the substrate tRNA for methylation (PubMed:32558197). Required to suppress amino acid starvation-induced autophagy (PubMed:22354037) Enhances
	the STK11/LKB1-induced cell growth suppression activity (PubMed:17216128). {ECO:0000269 PubMed:17216128, ECO:0000269 PubMed:22354037, ECO:0000269 PubMed:32558197, ECO:0000269 PubMed:33771871}.
Molecular Weight:	121.7 kDa
UniProt:	Q9NNW5
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

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modifications.

Application 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!
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:	Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein. Avoid repeated freeze-thaw cycles.
Handling Advice: Storage:	Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein. Avoid repeated freeze-thaw cycles. -80 °C
Handling Advice: Storage: Storage Comment:	Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.Avoid repeated freeze-thaw cycles80 °CStore at -80°C.