

Datasheet for ABIN7556001

WDR6 Protein (AA 1-1121) (His tag)



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Overview

Quantity:	1 mg
Target:	WDR6
Protein Characteristics:	AA 1-1121
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat WDR6 Protein expressed in mammalian cells.
Sequence:	MDALEDYVWP RATSELILLP VTGLECVGDR LLAGEGPDVL VYSLDFGGHL RMIKRVQNLL GHYLIHGFRV RPEPNGDLDL EAMVAVFGSK GLRVVKISWG QGHFWELWRS GLWNMSDWIW DARWLEGNIA LALGHNSVVL YDPVVGCIQ EVPCTDRCTL SSACLIGDAW KELTIVAGAV SNQLLVWYPA TALADNKPVA PDRRISGHVG IIFSMSYLES KGLLATASED RSVRIWKVGD LRVPGGRVQN IGHCFGHSAR VWQVKLENY LISAGEDCVC LVWSHEGEIL QAFRGHQGRG IRAIAAHERQ AAWITGGDDS GIRLWHLVGR GYRGLGVSAL CFKSRSRPGT LKAVTLAGSW RLLAVTDTGA LYLYDVEVKC WEQLLEDKHF QSYCLLEAAP GPEGFGLCAM ANGEGRVKVV PINTPTAAVD QTLFPGKVHS LSWALRGYEE LLLASGPGG VVACLEISAA PSGKAIFVKE RCRYLLPPSK QRWHTCSAFL PPGDFLVCGD RRGSVLLFPS RPGLLKDPGV GKKARAGAGA PVVGSGSSGG GNAFTGLGPV STLP SLHGKQ GVTSVTCHGG YVYTTGRDGA YYQLFVRDQ LQPVLRQKSC RGMNWLGLR IVPDGSMVIL GFHANEFVWV NPRSHEKLHI VNCGGGHRWSW

AFSDTEAAMA FAYLKDGDVM LYRALGGCTR PHVILREGLH GREITCVKRV GTITLGPEYG
VPSFMQPDDL EPGSEGPDLT DIVITCSEDV TVCVLALPTT TGSAAHALTAV CNHISSVRAV
AVWGIGTPGG PQDPQGLTA HVVSAGGRAE MHCFSIMVTP DPSTPSRLAC HVMHLSSHRL
DEYWDRQRNR HRMVKVDPET RYMSLAVCEL DQPGLGPLVA AACSDGAVRL FLLQDSGRIL
QLLAETFHHK RCVLKVHSFT HEAPNQRRRL LLCSAATDGS LAFWDLTTML DHDSTVLEPP
VDPGLPYRLG TPSLTLQAHS CGINSLHTLP TREGHHLVAS GSEDGSLHVF VLAVEMQLQE
EAVGEAGLVP QLRVLEEYSV PCAHAAHVTG LKILSPSIMV SASIDQRLTF WRLGHGEPTF
MNSTVFHVPD VADMDCWPVS PEFGHRALG GQGLEVYNWY D **Sequence without tag. The proposed Purification-Tag is based on experiences 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 to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • 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. If you are not interested in a full length protein, please contact us for individual protein fragments. 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.
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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

Target Details

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.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months