

Datasheet for ABIN7556049
WDR72 Protein (AA 1-1102) (His tag)



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Overview

Quantity:	1 mg
Target:	WDR72
Protein Characteristics:	AA 1-1102
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR72 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant WDR72 Protein expressed in mammalian cells.
Sequence:	MRTSLQAVAL WGQKAPPHSI TAIMITDDQR TIVTGSQEGQ LCLWNLSHEL KISAKELFG HSASVTCLAR ARDFSKQPYI VSAAENGEMC VWNVTNGQCM EKATLPYRHT AICYHCSFR MTGEGWLLCC GEYQDVLIID AKTLAVVHSF RSSQFPDWIN CMCIVHSMRI QEDSLLVSV AGELKVDLS SSINSIQEKQ DVYEKESKFL ESLNCQTIRF CTYTERLLL VFSKCWKVYD YCDFLLLLTE VSRNGQFFAG GEVIAAHRIL IWTEDEGHSYI YQLNLSGLSK SIYPADGRVL KETIYPHLLC STSVQENKEQ SRPFVMGYMN ERKEPFYKVL FSGEVSGRIT LWHIPDVPVS KFDGSPREIP VTATWTLQDN FDKHDTMSQS IIDYFSGDKD GAGTAVVTSS EYIPSLDKLI CGCEDGTIII TQALNAAKAR LLEGGSLVKD SPPHKVLKGH HQSVTSLLYP HGLSSKLDQS WMLSGDLDC VILWDIFTEE ILHKFFLEAG PVTSLMSPE KFKLRGEQII CCVCGDHSVA LLHLEGKSC L HARKHLFPV RMIKWHPVEN FLIVGCADDS VYIWEIETGT LERHETGERA RIILNCCDDS QLVKSVLPIA SETLKHKSIE QRSSSPYQLG PLPCPGLQVE SSCKVTDKAF CPRPFNVLPV KTKWSNVGFH ILLFDLENLV ELLPTPLSD VDSSSSFYGG EVLRRRAKSTV

Product Details

EKKTLTLRKS KTACGPLSAE ALAKPITESL AQGDNTIKFS EENDGIKRQK KMKISKMMQP
KPSRKVDASL TIDTAKLFLS CLLPWGVDKD LDYLCIKHLN ILKLQGPISL GISLNEDNFS
LMLPGWDLN SGMIKDYSKV NLF SRKVL DL SDKYTATLPN QVGIPRGLN NCDSLRESDT
IVYLLSRLFL VNKLVNMPLE LACRVGSSFR MESIHNKMRG AGNDILNMSS FYSCLRNGKN
ESHVPEADLS LLKLISCWRD QSVQVTEAIQ AVLLAEVQQH MKSLGKIPVN SQPV SMAENG
NCEMKQMLPK LEWTEEELQ CVRNTLPLQT PVSPVKHDSN SNSANFQDVE DMPDRCALEE
SESPGEPHH SWIAKVCPCK VS **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: WDR72

Alternative Name: WDR72 ([WDR72 Products](#))

Background: WD repeat-containing protein 72,FUNCTION: Plays a major role in formation of tooth enamel (PubMed:19853237, PubMed:25008349). Specifically required during the maturation phase of

Target Details

amelogenesis for normal formation of the enamel matrix and clearance of enamel proteins. May be involved in localization of the calcium transporter SLC24A4 to the ameloblast cell membrane. {ECO:0000250|UniProtKB:D3YYM4, ECO:0000269|PubMed:19853237, ECO:0000269|PubMed:25008349}.

Molecular Weight: 123.4 kDa

UniProt: [Q3MJ13](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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