

Datasheet for ABIN7545090
WDR26 Protein (AA 1-661) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	WDR26
Protein Characteristics:	AA 1-661
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR26 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant WDR26 Protein expressed in mammalian cells.
Sequence:	<p>MQANGAGGGG GGGGGGGGGG GGGGGQGQTP ELACLSAQNG ESSPSSSSSA GDLAHANGLL PSAPSAASN SNSLNVNNGV PGGAAAASSA TVAAASATTA ASSSLATPEL GSSLKKKKRL SQSDEDVIRL IGQHLNGLGL NQTVDLLMQE SGRLEHPSA TKFRNHVMEG DWDKAENDLN ELKPLVHSPH AIVVRGALEI SQTLLGIIVR MKFLLLQQKY LEYLEDGKVL EALQVLRCEL TPLKYNTERI HVLSGYLMCS HAEDLRAKAE WEGKGTASRS KLLDKLQTYL PPSVMLPPRR LQTLRQAVE LQRDRCLYHN TKLDNNLDSV SLLIDHVCSR RQFPCYTQQI LTEHCNEVWF CKFSNDGTKL ATGSKDTTVI IWQVDPDTHL LKLLKTLEGH AYGVSYIAWS PDDNYLVACG PDDCSELWLW NVQTGELRTK MSQSHEDSLT SVAWNPDGKR FVTGGQRGQF YQCDLDGNLL DSWEGVRVQC LWCLSDGKTV LASDTHQRIR GYNFEDLTDNR NIVQEDHPIM SFTISKNGRL ALLNVATQGV HLWDLQDRV LVRKYQGV TQG FYTIHSCFGG HNEDFIASGS EDHKVYIWHK RSELP IAE L T GHTRTVNCVS WNPQIPSMMA SASDDGTVRI WGPAPFIDHQ NIEEECSSMD S</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the</p>

Product Details

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: WDR26

Alternative Name: WDR26 ([WDR26 Products](#))

Background: WD repeat-containing protein 26 (CUL4- and DDB1-associated WDR protein 2) (Myocardial ischemic preconditioning up-regulated protein 2),FUNCTION: G-beta-like protein involved in cell signal transduction (PubMed:15378603, PubMed:19446606, PubMed:22065575, PubMed:23625927, PubMed:27098453, PubMed:26895380). Acts as a negative regulator in MAPK signaling pathway (PubMed:15378603). Functions as a scaffolding protein to promote G beta:gamma-mediated PLCB2 plasma membrane translocation and subsequent activation in leukocytes (PubMed:22065575, PubMed:23625927). Core component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1

Target Details

(PubMed:29911972). Acts as a negative regulator of the canonical Wnt signaling pathway through preventing ubiquitination of beta-catenin CTNNB1 by the beta-catenin destruction complex, thus negatively regulating CTNNB1 degradation (PubMed:27098453). Serves as a scaffold to coordinate PI3K/AKT pathway-driven cell growth and migration (PubMed:26895380). Protects cells from oxidative stress-induced apoptosis via the down-regulation of AP-1 transcriptional activity as well as by inhibiting cytochrome c release from mitochondria (PubMed:19446606). Protects also cells by promoting hypoxia-mediated autophagy and mitophagy (By similarity). {ECO:0000250|UniProtKB:F1LTR1, ECO:0000269|PubMed:15378603, ECO:0000269|PubMed:19446606, ECO:0000269|PubMed:23625927, ECO:0000269|PubMed:26895380, ECO:0000269|PubMed:27098453, ECO:0000269|PubMed:29911972}.

Molecular Weight: 72.1 kDa

UniProt: [Q9H7D7](#)

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