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Datasheet for ABIN7553425
WDR16 Protein (AA 1-620) (His tag)

Overview

Quantity:	1 mg
Target:	WDR16
Protein Characteristics:	AA 1-620
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR16 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CFAP52 Protein expressed in mammalian cells.
Sequence:	MDNKISPEAQ VAELELDAVI GFNGHVPTGL KCHPDQEHMI YPLGCTVLIQ AINTKEQNFL QGHGNNVSCL AISRSGEYIA SGQVTFMGFK ADIILWDYKN RELARLSLH KGKIEALAFS PNDLYLVSLG GPDDGSVWWV SIAKRDAICG SPAAGLNVGN ATNVIFSRRCR DEMFMTAGNG TIRVWELDLP NRKIWPTECQ TGQLKRIVMS IGVDDDDSFY YLGTGGDIL KMNPRTKLLT DVGPAKDKFS LGVS AIRCLK MGLLVGS GA GLLVFCKSPG YKPIKIQQLQ GGITSITLRG EGHQFLVGTE ESHIYRSFT DFKETLIATC HFD AVEDIVF PFGTAELFAT CAKKDIRVWH TSSNRELLRI TVPNMTCHGI DFMRDGKSII SAWNDGKIRA FAPETGRLMY VINNAHRIGV TAIATTS DCK RVISGGGEGE VRVWQIGCQT QKLEEALKEH KSSVSCIRVK RNNEECVTAS TDGTCTIWDL VRLRRNQ MIL ANTLFQCVCY HPEEFQIITS GTDRKIAYWE VFDGTVIREL EGSLSGSING MDITQEGVHF VTGGNDHLVK VWDYNEGEVT HVG VGHSGNI TRIRISPGNQ YIVSVSADGA ILRWKYPYTS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make

Product Details

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: WDR16

Alternative Name: CFAP52 ([WDR16 Products](#))

Background: Cilia- and flagella-associated protein 52 (WD repeat-containing protein 16) (WD40-repeat protein up-regulated in HCC),FUNCTION: Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia axoneme (PubMed:36191189). Important for proper ciliary and flagellar beating. May act in cooperation with CFAP45 and axonemal dynein subunit DNAH11 (PubMed:33139725). May play a role in cell growth and/or survival (PubMed:15967112). {ECO:0000250|UniProtKB:E1BKF9, ECO:0000269|PubMed:15967112, ECO:0000269|PubMed:33139725, ECO:0000269|PubMed:36191189}.

Molecular Weight: 68.3 kDa

UniProt: [Q8N1V2](#)

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
