

Datasheet for ABIN7556017

WDFY2 Protein (AA 1-400) (His tag)



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Overview

Quantity:	1 mg
Target:	WDFY2 (ZFYVE22)
Protein Characteristics:	AA 1-400
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDFY2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant WDFY2 Protein expressed in mammalian cells.
Sequence:	<p>MAAEIQPKPL TRKPILLQRM EGSQEVVNMA VIVPKEEGVI SVSEDRTVRV WLKRDSGQYW PSVYHAMPSP CSCMSFNPET RRLSIGLDNG TISEFILSED YNKMTVPKNY QAHQSRVTMI LFLVLELWVL STGQDKQFAW HCSESGQRLG GYRTSAVASG LQFDVETRHV FIGDHSGQVT ILKLEQENCT LVTTFRGHTG GVTALCWDPV QRVLFSGSSD HSVIMWDIGG RKGTAIELQG HNDRVQALSY AQHTRQLISC GGDGGIVVWN MDVERQETPE WLSDSDSCQKC DQPFFWNFKQ MWDSKKIGLR QHHCRKCGKA VCGKCSSKRS SIPLMGFEFE VRVCDSCHEA ITDEERAPTA TFHDSKHNIV HVHFDATRGW LLTSGTDKVI KLWDMTPVVS 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.</p>
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.

Product Details

Characteristics:	<div><div>Key Benefits:</div><ul style="list-style-type: none">• 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).<p>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.</p><p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p><p>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.</p></div>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	WDFY2 (ZFYVE22)
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Alternative Name:	WDFY2 (ZFYVE22 Products)
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Background:	<p>WD repeat and FYVE domain-containing protein 2 (Propeller-FYVE protein) (Prof) (WD40- and FYVE domain-containing protein 2) (Zinc finger FYVE domain-containing protein 22),FUNCTION: Acts in an adapter protein-like fashion to mediate the interaction between the kinase PRKCZ and its substrate VAMP2 and increases the PRKCZ-dependent phosphorylation of VAMP2 (PubMed:17313651). Positively regulates adipocyte differentiation, by facilitating the phosphorylation and thus inactivation of the anti-adipogenetic transcription factor FOXO1 by the kinase AKT1 (PubMed:18388859). Plays a role in endosomal control of AKT2 signaling, required for insulin-stimulated AKT2 phosphorylation and glucose uptake and insulin-stimulated phosphorylation of AKT2 substrates (By similarity). Participates in transferrin receptor endocytosis (PubMed:16873553). {ECO:0000250 UniProtKB:Q8BUB4, ECO:0000269 PubMed:16873553, ECO:0000269 PubMed:17313651, ECO:0000269 PubMed:18388859}.</p>
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Molecular Weight:	45.2 kDa
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Target Details

UniProt: [Q96P53](#)

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