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Datasheet for ABIN7560292
WDR77 Protein (AA 1-342) (His tag)

Overview

Quantity:	1 mg
Target:	WDR77
Protein Characteristics:	AA 1-342
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR77 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Wdr77 Protein expressed in mammalian cells.
Sequence:	MRKDTPPPLV PPAAREWNLP PNAPACMERQ LEAARYRSDG SLLLVGSSLS GRCWVWVSLWF FKDPSAAPNE GFCSAGVQTE AGVADLTWVG DKGILVASDS GAVELWELDE NETLIVSKFC KYEHDDIVST VTVLSSGTQA VSGSKDCCIK IWDLAQQVSL NSYRAHAGQV TCVAASPHKD SVFLSCSEDS RILLWDTRCP KPASQMACNA SGYLPALAW HPQQSEVVFV GDENGVSLSV DTKNASCTLS SAVHSQGVTR LVFSPHSVPL LTSLSEDCSL AVLDSSLSEV FRRAHRDFV RDATWSPLNH SLLTTVGWDH QVIHHVVPLE PLPNPGPDSV VE 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:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	WDR77
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Alternative Name:	Wdr77 (WDR77 Products)
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Background:	<p>Methylosome protein WDR77 (Methylosome protein 50) (MEP-50) (WD repeat-containing protein 77),FUNCTION: Non-catalytic component of the methylosome complex, composed of PRMT5, WDR77 and CLNS1A, which modifies specific arginines to dimethylarginines in several spliceosomal Sm proteins and histones (By similarity). This modification targets Sm proteins to the survival of motor neurons (SMN) complex for assembly into small nuclear ribonucleoprotein core particles (By similarity). Might play a role in transcription regulation (By similarity). The methylosome complex also methylates the Piwi proteins (PIWIL1, PIWIL2 and PIWIL4), methylation of Piwi proteins being required for the interaction with Tudor domain-containing proteins and subsequent localization to the meiotic nuage (PubMed:19584108). {ECO:0000250 UniProtKB:Q9BQA1, ECO:0000269 PubMed:19584108}., FUNCTION: Substrate-recognition component of the DCX(WDR77) complex, which mediates ubiquitination and degradation of Irgm1 in intestinal cells. {ECO:0000269 PubMed:35197566}.</p>
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Molecular Weight:	36.9 kDa
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UniProt:	Q99J09
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Target Details

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

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