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Datasheet for ABIN7545092

WDR82 Protein (AA 1-313) (His tag)

Overview

Quantity:	1 mg
Target:	WDR82
Protein Characteristics:	AA 1-313
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR82 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant WDR82 Protein expressed in mammalian cells.
Sequence:	MKLTDSVLRS FRVAKVFREN SDKINCFDFS PNGETVISSS DDDSIVLYDC QEGKPKRTLY SKKYGVDLIR YTHAANTVVY SSNKIDDTIR YLSLHDNKYI RYFPGHSKRV VALSMSPVDD TFISGSLDKT IRLWDLRSPN CQGLMHLQ GK PVCSFDPEGL IFAAGVNSEM VKLYDLRSFD KGPFATFKMQ YDRTCEWTGL KFSNDGKLIL ISTNGSFIRL IDAFKGVVMH TFGGYANSKA VTLEASFTPD SQFIMIGSED GKIHVWNGES GIKVAVLGDK HTGPITCLQF NPKFMTFASA CSNMAFWLPT IDD 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)
Grade:	custom-made

Target Details

Target:	WDR82
Alternative Name:	WDR82 (WDR82 Products)
Background:	<p>WD repeat-containing protein 82,FUNCTION: Regulatory component of the SET1/COMPASS complex implicated in the tethering of this complex to transcriptional start sites of active genes (PubMed:17998332, PubMed:18838538, PubMed:20516061). Facilitates histone H3 'Lys-4' methylation (H3K4me) via recruitment of the SETD1A or SETD1B to the 'Ser-5' phosphorylated C-terminal domain (CTD) of RNA polymerase II large subunit (POLR2A) (PubMed:17998332, PubMed:18838538). Component of PTW/PP1 phosphatase complex, which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase (PubMed:20516061). Together with ZC3H4, but independently of the SET1 complex, part of a transcription termination checkpoint that promotes transcription termination of long non-coding RNAs (lncRNAs) (PubMed:33913806, PubMed:33767452). The transcription termination checkpoint is activated by the inefficiently spliced first exon of lncRNAs and promotes transcription termination of lncRNAs and their subsequent degradation by the exosome (PubMed:33767452). {ECO:0000269 PubMed:17998332, ECO:0000269 PubMed:18838538, ECO:0000269 PubMed:20516061,</p>

Target Details

ECO:0000269|PubMed:33767452, ECO:0000269|PubMed:33913806}.

Molecular Weight: 35.1 kDa

UniProt: [Q6UXN9](#)

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
