

Datasheet for ABIN7547040
DESI1 Protein (AA 1-168) (His tag)



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Overview

Quantity:	1 mg
Target:	DESI1 (PPPDE2)
Protein Characteristics:	AA 1-168
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DESI1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DESI1 Protein expressed in mammalian cells.
Sequence:	MEPPNLYPVK LYVYDLSKGL ARRLSPIMLG KQLEGIWHTS IVVHKDEFFF GSGGISSCPP GGTLLGPPDS WDVGST EVT EEIFLEYLSS LGESLFRGEA YNLFEHNCNT FSNEVAQFLT GRKIPSYITD LPSEVLSTPF GQALRPLDLS IQIQPPGGSS VGRPNGQS 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: <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

Product Details

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:	DESI1 (PPPDE2)
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Alternative Name:	DESI1 (PPPDE2 Products)
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Background:	Desumoylating isopeptidase 1 (DeSI-1) (EC 3.4.-.-) (PPPDE peptidase domain-containing protein 2) (Palmitoyl protein thioesterase DESI1) (EC 3.1.2.22) (Polyubiquitinated substrate transporter) (POST) (S-depalmitoylase DESI1),FUNCTION: Protease which deconjugates SUMO1, SUMO2 and SUMO3 from some substrate proteins. Has isopeptidase but not SUMO-processing activity (By similarity). Desumoylates ZBTB46 (By similarity). Collaborates with UBQLN4 in the export of ubiquitinated proteins from the nucleus to the cytoplasm (PubMed:29666234). Exhibits palmitoyl protein thioesterase (S-depalmitoylation) activity towards synthetic substrates 4-methylumbelliferyl-6-S-palmitoyl-beta-D-glucopyranoside and S-depalmitoylation probe 5 (DPP-5) (PubMed:35427157). {ECO:0000250 UniProtKB:Q9CQT7, ECO:0000269 PubMed:29666234, ECO:0000269 PubMed:35427157}.
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Molecular Weight:	18.3 kDa
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UniProt:	Q6ICB0
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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.
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Application Details

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