

Datasheet for ABIN7547000

## PPPDE1 Protein (AA 1-194) (His tag)



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### Overview

Quantity:	1 mg
Target:	PPPDE1
Protein Characteristics:	AA 1-194
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPPDE1 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant DESI2 Protein expressed in mammalian cells.
Sequence:	<p>MGANQLVVLN VYDMYWMNEY TSSIGIGVFH SGIEVYGREF AYGGHPYPFS GIFEISPGNA  SELGETFKFK EAVVLGSTDF LEDDIEKIVE ELGKEYKGNA YHLMHKNCNH FSSALSEILC  GKEIPRWINR LAYFSSCIPF LQSCLPKEWL TPAALQSSVS QELQDELEEA EDAAASASVA  STAAGSRPGR HTKL <b>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.</b></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.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>• Made to order protein - from design to production - by highly experienced protein experts.</li> <li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li> <li>• The optimized expression system ensures reliability for intracellular, secreted and</li> </ul>

## 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:	PPPDE1
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Alternative Name:	DESI2 ( <a href="#">PPPDE1 Products</a> )
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Background:	Deubiquitinase DESI2 (EC 3.4.19.12) (Desumoylating isopeptidase 2) (DeSI-2) (PPPDE peptidase domain-containing protein 1) (Palmitoyl protein thioesterase DESI2) (EC 3.1.2.22) (Protein FAM152A) (S-depalmitoylase DESI2),FUNCTION: Has deubiquitinating activity towards 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains. Deubiquitinates 'Lys-48'-linked polyubiquitination of RPS7 leading to its stabilization (PubMed:28483520). 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:0000269 PubMed:28483520, ECO:0000269 PubMed:35427157}.
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Molecular Weight:	21.4 kDa
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UniProt:	<a href="#">Q9BSY9</a>
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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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Restrictions:	For Research Use only
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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