

Datasheet for ABIN7557030  
**PDSS2 Protein (AA 1-401) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PDSS2
Protein Characteristics:	AA 1-401
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDSS2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Pdss2 Protein expressed in mammalian cells.
Sequence:	<p>MSLRQLLLRL SGYLGASGPP SRHWWYFRSL DSISSAGSWR GRSSRSPAHW NQVVSEAEKI            VGYPASFMSL RCLLSDELSN IAMQVRKLVG TGHPLLTAR ALVHDSRHNH QLRGLVLLI            SKAAGPSTRN AACQNYDMVS GVYSCQRLA EITELIHTAL LVHRGIVNLS ELQSSDGPLK            DMQFGNKIAI LSGDFLLANA CNGLALLQNT KVELLSAL MDLVHGVYQE NSASTKENS            PDDIGISTWK EQTFLSHCAL LAKSCQAAME LAKHDAVQD MAFQYGKHA MSHKINADLQ            PFIKDKASDS KTFNLNSAPV VLHQEFLGRD LWIKIGEAQ EKGSNLNSKL RETIKAGKGV            TSAIDLCRYH GNKALEALES FPPSEARSAL ENIVFAVTRF S</p> <p><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.

## Product Details

### Characteristics:

### Key Benefits:

- 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:

PDSS2

### Alternative Name:

Pdss2 ([PDSS2 Products](#))

### Background:

All trans-polyprenyl-diphosphate synthase PDSS2 (All-trans-decaprenyl-diphosphate synthase subunit 2) (EC 2.5.1.91) (Decaprenyl-diphosphate synthase subunit 2) (Solanesyl-diphosphate synthase subunit 2),FUNCTION: Heterotetrameric enzyme that catalyzes the condensation of farnesyl diphosphate (FPP), which acts as a primer, and isopentenyl diphosphate (IPP) to produce prenyl diphosphates of varying chain lengths and participates in the determination of the side chain of ubiquinone (PubMed:16262699). Supplies nona and decaprenyl diphosphate, the precursors for the side chain of the isoprenoid quinones ubiquinone-9 (Q9) and ubiquinone-10 (Q10) respectively (PubMed:16262699). The enzyme adds isopentenyl diphosphate molecules sequentially to farnesyl diphosphate with trans stereochemistry (PubMed:16262699). May play a role during cerebellar development (PubMed:21871565). May regulate mitochondrial respiratory chain function (PubMed:18437205). {ECO:0000269|PubMed:16262699, ECO:0000269|PubMed:18437205, ECO:0000269|PubMed:21871565}.

## Target Details

Molecular Weight: 44.0 kDa

UniProt: [Q33DR3](#)

## 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