

Datasheet for ABIN7557029

PDSS1 Protein (AA 1-409) (His tag)



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Overview

Quantity:	1 mg
Target:	PDSS1
Protein Characteristics:	AA 1-409
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDSS1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Pdss1 Protein expressed in mammalian cells.
Sequence:	<p>MAMRWSCWRR GCSWRPTAVG SPRRERPGCV EPLGTRAASD TRAQIPYFSL MKILMSASPT</p> <p>MHSISQFHQR TPAMCSCRQT QSGEKYSDPF KLGWRDLKGL YEDIRKELHI STRELKDMSE</p> <p>YYFDGKGKAF RPIIVVLMAR ACNIHHNNAR EMQASQRSIA LVAEMIHTAT LVHDDVIDDA</p> <p>SSRRGKHTVN KIWGEKKAVL AGDLILSAAS VALARIGNTA VVSMLAQVIE DLVRGEFLQL</p> <p>GSKENENERF AHYLEKTFKK TASLIANSCK AVSVLGCPDP VVHEIAYQYG KNVGIAFQLI</p> <p>DDVLDFTSCS DQMGKPTSAD LKLGIATGPV LFACQQFPEM NAMIMRRFSL PGDVDRARQY</p> <p>VLQSDGVQQT TYLAQQYCHK AVREIRKLRP STERDALIQL SESVLTRDK Sequence without tag.</p> <p>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.</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:

PDSS1

Alternative Name:

Pdss1 ([PDSS1 Products](#))

Background:

All trans-polyprenyl-diphosphate synthase PDSS1 (All-trans-decaprenyl-diphosphate synthase subunit 1) (EC 2.5.1.91) (Decaprenyl-diphosphate synthase subunit 1) (Solanesyl-diphosphate synthase subunit 1) (Trans-prenyltransferase 1) (TPT 1),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). {ECO:0000269|PubMed:16262699}.

Molecular Weight:

45.9 kDa

UniProt:

[Q33DR2](#)

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