

Datasheet for ABIN7556396  
**PTDSS2 Protein (AA 1-473) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PTDSS2
Protein Characteristics:	AA 1-473
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTDSS2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Ptdss2 Protein expressed in mammalien cells.
Sequence:	<p>MRRGERRVAG GSGSESPLLK GRRSTESEVY DDGTNTFFWR AHTLTVLFIL TCALGYVTLL EETPQDTAYN TKRGIVASIL VFCLFGVTQA KDGPF SRPHP AYWRFWLCVS VVYELFLIFI LFQTVQDGRQ FLKYVDPRLG VPLPERDYGG NCLIYDADNK TDPFHNIWDK LDGFVPAHFI GWYLKTLMIR DWWMCMIISV MFEFLEYSLE HQLPNFSECW WDHWIMDVLV CNGLGIYCGM KTLEWLSLKT YKWQGLWNIP TYKGKMKRIA FQFTPYSWVR FEWKPASSLH RWLAVCGIIL VFLLAELNTF YLKFVLWMPP EHYLVLLRLV FVNNGGVAM REIYDFMDEL KPHRKLGGQA WLVAAITVTE LLIVVKYDPH TLTLSLPFYI SQCWTLGSIL VLTWTVWVRF LRDITMRYKE TRRQKQSHQ ARAVNNRDGH PGPDDDLLGT GTAE EEGTTN DGVTAE EGTS AAS <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>

## Product Details

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

## Target Details

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### Target:

PTDSS2

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### Alternative Name:

Ptdss2 ([PTDSS2 Products](#))

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### Background:

Phosphatidylserine synthase 2 (PSS-2) (PtdSer synthase 2) (EC 2.7.8.29) (Serine-exchange enzyme II),FUNCTION: Catalyzes a base-exchange reaction in which the polar head group of phosphatidylethanolamine (PE) or phosphatidylcholine (PC) is replaced by L-serine (PubMed:10432300, PubMed:10938271, PubMed:23071296, PubMed:12361952). Catalyzes the conversion of phosphatidylethanolamine and does not act on phosphatidylcholine (PubMed:10938271, PubMed:23071296). Can utilize both phosphatidylethanolamine (PE) plasmalogen and diacyl PE as substrate and the latter is six times better utilized, indicating the importance of an ester linkage at the sn-1 position (PubMed:23071296). Although it shows no sn-1 fatty acyl preference, exhibits significant preference towards docosahexaenoic acid (22:6n-3) compared with 18:1 or 20:4 at the sn-2 position (PubMed:23071296).  
{ECO:0000269|PubMed:10432300, ECO:0000269|PubMed:10938271, ECO:0000269|PubMed:12361952, ECO:0000269|PubMed:23071296}.

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### Molecular Weight:

55.0 kDa

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## Target Details

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UniProt: [Q9Z1X2](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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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