Datasheet for ABIN7551111

PTDSS2 Protein (AA 1-487) (His tag)

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Overview

Quantity:	1 mg
Target:	PTDSS2
Protein Characteristics:	AA 1-487
Origin:	Human
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:	MRRGERRDAG GPRPESPVPA GRASLEEPPD GPSAGQATGP GEGRRSTESE VYDDGTNTFF WRAHTLTVLF ILTCTLGYVT LLEETPQDTA YNTKRGIVAS ILVFLCFGVT QAKDGPFSRP HPAYWRFWLC VSVVYELFLI FILFQTVQDG RQFLKYVDPK LGVPLPERDY GGNCLIYDPD NETDPFHNIW DKLDGFVPAH FLGWYLKTLM IRDWWMCMII SVMFEFLEYS LEHQLPNFSE CWWDHWIMDV LVCNGLGIYC GMKTLEWLSL KTYKWQGLWN IPTYKGKMKR IAFQFTPYSW VRFEWKPASS LRRWLAVCGI ILVFLLAELN TFYLKFVLWM PPEHYLVLLR LVFFVNVGGV AMREIYDFMD DPKPHKKLGP QAWLVAAITA TELLIVVKYD PHTLTLSLPF YISQCWTLGS VLALTWTVWR FFLRDITLRY KETRWQKWQN KDDQGSTVGN GDQHPLGLDE DLLGPGVAEG EGAPTPN **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.**

Product Details

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	PTDSS2
Alternative Name:	PTDSS2 (PTDSS2 Products)
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:19014349). Catalyzes the conversion of phosphatatidylethanolamine and does not act on phosphatidylcholine (PubMed:19014349). 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 (By similarity). 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 (By similarity). {ECO:0000250|UniProtKB:Q9Z1X2, ECO:0000269|PubMed:19014349}.
Molecular Weight:	56.3 kDa
UniProt:	Q9BVG9

Application Details

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

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

