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PTDSS1 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21590b

Specification

PTDSS1 Blocking Peptide (C-term) - Product Information

Primary Accession	P48651

PTDSS1 Blocking Peptide (C-term) - Additional Information

Gene ID 9791

Other Names
Phosphatidylserine synthase 1, PSS-1, PtdSer synthase 1, Serine-exchange enzyme I, PTDSS1, KIAA0024, PSSA

Target/Specificity
The synthetic peptide sequence is selected from aa 427-441 of HUMAN PTDSS1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PTDSS1 Blocking Peptide (C-term) - Protein Information

Name PTDSS1

Synonyms KIAA0024, PSSA

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, PubMed:24241535). Catalyzes mainly the conversion of phosphatidylcholine (PubMed:19014349, PubMed:24241535). Also converts, in vitro and to a lesser extent, phosphatidylethanolamine (PubMed:19014349, PubMed:24241535).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q99LH2}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q99LH2}. Note=Highly enriched in the mitochondria-associated membrane (MAM). {ECO:0000250|UniProtKB:Q99LH2}

PTDSS1 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PTDSS1 Blocking Peptide (C-term) - Images

PTDSS1 Blocking Peptide (C-term) - Background

Catalyzes a base-exchange reaction in which the polar head group of phosphatidylethanolamine (PE) or phosphatidylcholine (PC) is replaced by L-serine. In membranes, PTDSS1 catalyzes mainly the conversion of phosphatidylcholine. Also converts, in vitro and to a lesser extent, phosphatidylethanolamine.

PTDSS1 Blocking Peptide (C-term) - References

Nomura N.,et al.DNA Res. 1:27-35(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nusbaum C.,et al.Nature 439:331-335(2006).
Kuge O.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:4199-4203(1998).
Olsen J.V.,et al.Cell 127:635-648(2006).