

Recombinant Full Length Human PISD Protein, GST-tagged

Cat. No. PISD-625HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PISD(1 a.a. - 409 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	409 amino acids
Description	Phosphatidylserine decarboxylases (PSDs; EC 4.1.1.65) catalyze the formation of phosphatidylethanolamine (PE) by decarboxylation of phosphatidylserine (PS). Type I PSDs, such as PISD, are targeted to the inner mitochondrial membrane by an N-terminal targeting sequence. PISD also contains a conserved LGST motif that functions as an autocatalytic cleavage site where the proenzyme is split into mature alpha and beta subunits (Schuiki and Daum, 2009 [PubMed 19165886]).
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	71.39 kDa
AA Sequence	MATSVGHRCL GLLHGVAPWR SSLHPCEITA LSQSLQPLRK LPFRAFRTDA RKIHTAPART MFLLRPLPIL LVTGGGYAGY RQYEKYRERE LEKLGLEIPP KLAGHWEVAL YKSVPTRLLS RAWGRLNQVE LPHWLRRPVY SLYIWTFGVN MKEAAVEDLH HYRNLSEFFR RKLKPQARPV CGLHVSISPS DGRILNFGQV KNCEVEQVKG VTYSLESFLG PRMCTEDLPF PPAASCDSFK NQLVTREGNE

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LYHCVIYLAP GDYHCFHSPT DWTVSHRRHF PGSLMSVNPG MARWIKELFC
 HNERVVLTGD WKHGFFSLTA VGATNVGSIR IYFDRDLHTN SPRHSGSYN
 DFSFVTHTNR EGVPMRKGEH LGEFNLGSTI VLIFEAPKDF NFQLKTGQKI
 RFGEALGSL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION
Gene Name

PISD phosphatidylserine decarboxylase [Homo sapiens]

Official Symbol

PISD

Synonyms

PISD; phosphatidylserine decarboxylase; phosphatidylserine decarboxylase
 proenzyme; dJ858B16.2; PSDC; PSD; PSSC; DJ858B16; DKFZp566G2246

Gene ID

23761

mRNA Refseq

NM_014338

Protein Refseq

NP_055153

MIM

612770

UniProt ID

Q9UG56

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