

Recombinant Human PISD protein, GST-tagged

Cat. No. PISD-16H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PISD(62 a.a. - 170 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	62-170 a.a.
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	37.73 kDa
AA Sequence	PLSRVGVWRPVSRVALYKSVPTRLLSRAWGRLNQVELPHWLRRPVVSLYIWTFGVN MKEAAVEDLHHYRNLSEFFR RKLKPQARPVCGLHSVISPSDGRILNFGQVKNC
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Best use within three months from the date of receipt of this protein.
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
Chromosome Location	22q12.2
Pathway	FOXA1 transcription factor network, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	lyase activity; phosphatidylserine decarboxylase activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA