Recombinant Human PISD Protein, His/SUMO-tagged

Cat. No. PISD-18H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PISD(1-375aa) fused with His/SUMO tag at the N-terminus was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-375aa
Description	The protein encoded by this gene catalyzes the conversion of phosphatidylserine to phosphatidylethanolamine in the inner mitochondrial membrane. The encoded protein is active in phospholipid metabolism and interorganelle trafficking of phosphatidylserine.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	59.0kDa
AA sequence	MMCQSEARQGPELRAAKWLHFPQLALRRRLGQLSCMSRPALKLRSWPLTVLYYLL PFGALRPLSRVGWRPVSRVALYKSVPTRLLSRAWGRLNQVELPHWLRRPVYSLYIW TFGVNMKEAAVEDLHHYRNLSEFFRRKLKPQARPVCGLHSVISPSDGRILNFGQVK NCEVEQVKGVTYSLESFLGPRMCTEDLPFPPAASCDSFKNQLVTREGNELYHCVIYL APGDYHCFHSPTDWTVSHRRHFPGSLMSVNPGMARWIKELFCHNERVVLTGDWK HGFFSLTAVGATNVGSIRIYFDRDLHTNSPRHSKGSYNDFSFVTHTNREGVPMRKG EHLGEFNLGSTIVLIFEAPKDFNFQLKTGQKIRFGEALGSL

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Purity	Greater than 90% as determined by SDS-PAGE.
Stability	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigradefor up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

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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