

## Product datasheet for **TA807332AM**

### **PISD Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI5G2]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI5G2
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB 1:2000
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 80-340 of human PISD(NP_055153) produced in E.coli.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	phosphatidylserine decarboxylase
<b>Database Link:</b>	<a href="#">NP_055153</a> <a href="#">Entrez Gene 320951</a> <a href="#">MouseEntrez Gene 681361</a> <a href="#">RatEntrez Gene 23761</a> <a href="#">Human Q9UG56</a>



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**Background:**

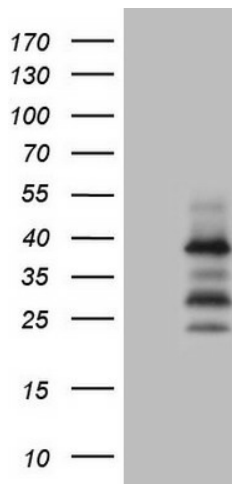
Phosphatidylserine decarboxylases (PSDs; EC 4.1.1.65) catalyze the formation of phosphatidylethanolamine (PE) by decarboxylation of phosphatidylserine (PS). Type I PSDs, such as PISD, are targeted to the inner mitochondrial membrane by an N-terminal targeting sequence. PISD also contains a conserved 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]). [supplied by OMIM, Jul 2010]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Gene record to access additional publications. ##Evidence-Data-START## Transcript exon combination :: BC001482.2 [ECO:0000332] RNAseq introns :: mixed/partial sample support ERS025081, ERS025082 [ECO:0000350] ##Evidence-Data-END##

**Synonyms:**

DJ858B16; dj858B16.2; PSD; PSDC; PSSC

**Protein Pathways:**

Glycerophospholipid metabolism, Metabolic pathways

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PISD ([RC200269], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PISD (1:2000).