

Recombinant Full Length Human PSAT1 Protein, C-Flag-tagged

Cat. No. PSAT1-1198HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PSAT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the class-V pyridoxal-phosphate-dependent aminotransferase family. The encoded protein is a phosphoserine aminotransferase and decreased expression may be associated with schizophrenia. Mutations in this gene are also associated with phosphoserine aminotransferase deficiency. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene have been defined on chromosomes 1, 3, and 8.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	40.2 kDa
AA Sequence	MDAPRQVVNFGPGPAKLPHSVLLEIQKELLDYKGVGISVLEMSHRSSDFAKIINNTEN LVRELLAVPDNY KVIFLQGGGCGQFSAVPLNLIGLKAGRCADYVVTGAWSAKAAEE AKKFGTINIVHPKLGSYTKIPDPSTW NLNPDASYVYYCANETVHGVEFDFIPDVKGA VLVCDMSSNFLSKPVDVSKFGVIFAGAQNKGVSAGVTVV IVRDDLLGFALRECPSVL EYKVQAGNSSLYNTPPCFSIYVMGLVLEWIKNNGGAAAMEKLSSIKSQTIYE IIDNSQ GFYVCPVEPQNRSKMNIPFRIGNAKGDDALEKRFLDKALELNMLSLKGHRVGGIRA

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	SLYNAVT IEDVQKLA AFMKKFLEMHQLSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Glycine, serine and threonine metabolism, Metabolic pathways, Vitamin B6 metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	PSAT1 phosphoserine aminotransferase 1 [Homo sapiens (human)]
Official Symbol	PSAT1
Synonyms	PSA; EPIP; NLS2; PSAT; PSATD
Gene ID	29968
mRNA Refseq	NM_058179.4

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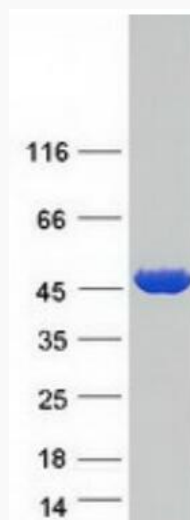
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Protein Refseq [NP_478059.1](#)

MIM [610936](#)

UniProt ID [Q9Y617](#)



Coomassie blue staining of purified PSAT1 protein.

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