

Recombinant Human PSAT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PSAT1-4715H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PSAT1 MS Standard C13 and N15-labeled recombinant protein (NP_478059) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	40.2 kDa
AA Sequence	MDAPRQVVNFGPGPAKLPHSVLLEIQKELLDYKGVGISVLEMSHRSSDFAKIINNTEN LVRELLAVPDNYKVIFLQGGGCGQFSAVPLNLIGLKAGRCADYVVTGAWSAKAAEEA KKFGTINIVHPKLGSYTKIPDPSTWNLNPDASYVYYCANETVHGVEFDFIPDVKGAVL VCDMSSNFLSKPVDVSKFGVIFAGAQKNVGSAGVTVVIVRDDLGLFALRECPSVLEY KVQAGNSSLYNTPPCFSIYVMGLVLEWIKNNGGAAAMEKLSSIKSQTIYEIIDNSQGF YVCPVEPQNRSKMNIPFRIGNAKGDDALEKRFLDKALELNMLSLKGHRVGGIRASL YNAV TIEDVQKLA AFMKKFLEMHQLSGPTRTRRLEQKLISEEDLAANDILDYKDDDDK

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PSAT1 phosphoserine aminotransferase 1 [Homo sapiens (human)]
Official Symbol	PSAT1
Synonyms	PSAT1; phosphoserine aminotransferase 1; phosphoserine aminotransferase; PSA; endometrial progesterone-induced protein; phosphohydroxythreonine aminotransferase; EPIP; PSAT; MGC1460;
Gene ID	29968
mRNA Refseq	NM_058179
Protein Refseq	NP_478059
MIM	610936

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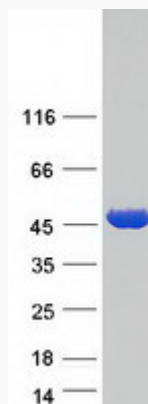
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UniProt ID

Q9Y617

SDS-PAGE

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