

Product datasheet for PH302475

Phosphoserine Aminotransferase (PSAT1) (NM_058179) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PSAT1 MS Standard C13 and N15-labeled recombinant protein (NP_478059)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202475
Predicted MW:	40.2 kDa
Protein Sequence:	>RC202475 representing NM_058179 Red=Cloning site Green=Tags(s) MDAPRQVVNFGPGPAKLPHSVLLEIQKELLDYKGVGISVLEMSHRSSDFAKIINNNTENLVRELLAVPDNY KVIFLQGGCGQFSAPVPLNLIGLKAGRCADYVVTGAWSAKAAEEAKKFGTINIVHPKLGSYTKIPDPSTW NLNPDASYVYYCANETVHGVEFDFIPDVKGAVLVCDMSSNFLSKPVDVSKFGVIFAGAQKNVGSAGVTVV IVRDDLLGFALRECPVLEYKVQAGNSSLYNTPPCFSIYVMGLVLEWIKNNGGAAAMEKLSIKSQTIIYE IIDNSQGFYVCPVEPQNRKMNIPFRIGNAKGDDALEKRFLDKALELNMLSLKGHRVSGGIRASLYNAVT IEDVQKLAAFMKKFLEMHQL SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_478059
RefSeq Size:	2221
RefSeq ORF:	1110
Synonyms:	EPIP; NLS2; PSA; PSAT; PSATD
Locus ID:	29968



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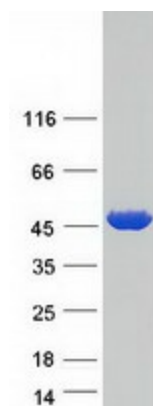
UniProt ID: [Q9Y617](#), [A0A024R222](#)

Cytogenetics: 9q21.2

Summary: 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. [provided by RefSeq, Jul 2013]

Protein Pathways: Glycine, serine and threonine metabolism, Metabolic pathways, Vitamin B6 metabolism

Product images:



Coomassie blue staining of purified PSAT1 protein (Cat# [TP302475]). The protein was produced from HEK293T cells transfected with PSAT1 cDNA clone (Cat# [RC202475]) using MegaTran 2.0 (Cat# [TT210002]).