

OriGene Technologies, Inc.

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Product datasheet for TP302475M

Phosphoserine Aminotransferase (PSAT1) (NM_058179) Human Recombinant Protein

Product data:

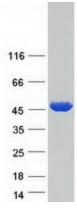
Description:Recombinant protein of human phosphoserine aminotransferase 1 (PSAT1), transcript variant 1, 100 µgSpecies:HumanExpression Host:HEK293TExpression cDNA ClooRed=Cloning site Green=Tags(s)Red=Cloning site Green=Tags(s)MDAPRQVVNFGPGPAKLPHSVLLEIQKELLDYKGVGISVLEMSHRSSDFAKIINNTENLVRELLAVPDNY KVIFLQGGGCGQFSAVPLNLIGLKAGRCADYVVTGAWSAKAAEEAKKFGTINIVHPKLGSYTKIPDPSTW NLNPDASYVYCANETVHGVEFDFIPDVKGAVLVCDMSSNFLSKPVDVSKFGVIFAGAQKNVGSAGVTVV IDNSQGFYVCPVEPQNSKMNIPFRIGNAKGDDALEKRFLDKALELNMLSLKGHRSVGGIRASLYNAVT EDVQLLAFMKKFLEMHQLTag:CMyc/DKPredicted MW:40.2 kDaGoncentration:0.05 µg/µL as determined by microplate BCA methodPurity:Som a determined by SDS-PAGE and Coomassie blue stainingBuffer:0.5 mM Tris-HCI, 100 m glycine, pH 7.3, 10% glycerolPreparation:Create all culture applications, please filter before use. Note that you may experience som loss of protein during the filtration process.Storage:Store at -80°C.Stability:Stability:NefSeq:NP 478059	Product Type:	Recombinant Proteins
Expression Host:HEK293TExpression cDNA CloopRC202475 representing NM_058179 RC202475 representing RC202475 rep	Description:	
Expression cDNA ClonaRC202475 representing NM_058179 Red=Cloning site Green=Tags(s)Red=Cloning site Green=Tags(s)MDAPRQVVNFGGPAKLPHSVLLEIQKELLDYKGVGISVLEMSHRSSDFAKIINNTENLVRELLAVPDNY KVIFLQGGGCQGPSAVPLNLIGLKAGRCADYVVTGAWSAKAAEAKKFGTINIVHRKLGSYTKIPDPSTW NLNPDASYVYCANETVHGVEPDIPDVKGAVLVCDMSSNFLSKPVDVSKFGVIFAGAQKNVGSAGVTVV INNPDASYVYCANETVHGVEPDIPDVKGAVLVCDMSSNFLSKPVDVSKFGVIFAGAQKNVGSAGVTVV IDNSQGFVVCPVEPQNRSKMNIPFRIGNAKGDDALEKRFLDKALELNMLSLKGHRSVGGIRASLYNAVT IEDVQKLAAFMKKFLEMHQLTag:SGPTRTRLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:40.2 kDa40.2 kDa0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingPreparation:C combinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stole for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.	Species:	Human
or AA Sequence:Red=Cloning site Green=Tags(s)MDAPRQVVNFGPGPAKLPHSVLLEIQKELLDYKGVGISVLEMSHRSSDFAKIINNTENLVRELLAVPDNY KVIFLQGGGCGQFSAVPLNLIGLKAGRCADYVVTGAWSAKAAEEAKKFGTINIVHPKLGSYTKIPDPSTW NLNPDASYVYYCANETVHGVEFDFIPDVKGAVLVCDMSSNFLSKPVDVSKFGVIFAGAQKNVGSAGVTVV IVRDDLLGFALRECPSVLEYKVQAGNSSLYNTPPCFSIVVMGLVLEWIKNNGGAAAMEKLSSIKSQTIYE IDNSQGFYVCPVEPQNRSKMNIPFRIGNAKGDDALEKRFLDKALELNMLSLKGHRSVGGIRASLYNAVT IEDVQKLAAFMKKFLEMHQLTag:C-Myc/DDKPredicted MW:40.2 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stole for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.	Expression Host:	HEK293T
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RefSeq: <u>NP 478059</u>	Stability:	
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This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

	Phosphoserine Aminotransferase (PSAT1) (NM_058179) Human Recombinant Protein – TP302475M
Locus ID:	29968
UniProt ID:	<u>Q9Y617, A0A024R222</u>
RefSeq Size:	2221
Cytogenetics:	9q21.2
RefSeq ORF:	1110
Synonyms:	EPIP; NLS2; PSA; PSAT; PSATD
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 Pathway	vs: 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]).

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