

Recombinant Mouse PSAT1 Protein (1-370 aa), His-SUMO-tagged

Cat. No. PSAT1-1113M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PSAT1 Protein (1-370 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Mouse
Source	E.coli
ProteinLength	1-370 aa
Description	Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	56.5 kDa
AA Sequence	MEATKQVVNFGPGPAKLPHSVLLEIQKQLLDYRGLGISVLEMSHRSSDFAKIIGNTEN LVRELLAVPNNYKVIFVQGGGSGQFSAVPLNLIGLKAGRSADYVVTGAWSAKAAEEA KKFGTVNIVHPKLGSYTKIPDPSTWNLNPDASYVYFCANETVHGVEFDFVPDVKGAV LVCDMSSNFLSRPVDVSKFGVIFAGAQNKGVSAGVTVVIVRDDLLGFSLRECPSVLD YKVGAGNNSLYNTPPCFISIYVMGMVLEWIKNNGGAAAMEKLSSIKSQMIYEIIDNSQ GFYVCPVERQNRSRMNIPFRIGNAKGDEALEKRFLDKAVELNMISLKGHRVGGIRA SLYNAVTTEDVEKLAAFMKNFLEMHQL

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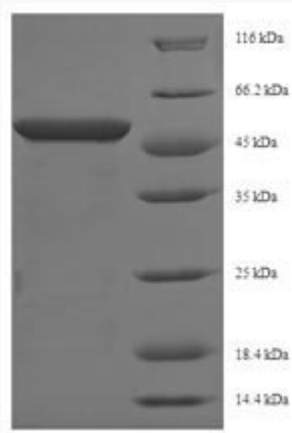
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.
GENE INFORMATION	
Gene Name	Psat1 phosphoserine aminotransferase 1 [Mus musculus]
Official Symbol	PSAT1
Synonyms	PSAT1; PSA; EPIP; Psat; D8Ert814e;
Gene ID	107272
mRNA Refseq	NM_001205339
Protein Refseq	NP_001192268
UniProt ID	Q99K85

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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