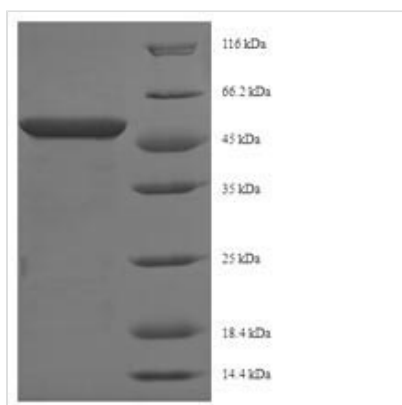




Recombinant Mouse Phosphoserine aminotransferase (Psat1)

Product Code	CSB-EP860801MO
Relevance	Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine.
Abbreviation	Recombinant Mouse Psat1 protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q99K85
Alias	Endometrial progesterone-induced protein Short name: EPIP Phosphohydroxythreonine aminotransferase
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MEATKQVVNFGPGPAKLPHSVLLEIQKQLLDYRGLGISVLEMSHRSSDFAKIIG NTENLVRELLAVPNNYKVIFVQGGGSGQFSAVPLNLIQLKAGRSADYVVTGAW SAKAAEEAKKFGTVNIVHPKLGSYTKIPDPSTWNLNPDASYVYFCANETVHGV EFDVFPDVKGAVLVCDMSSNFLSRPVDVSKFGVIFAGAQKNVGSAGVTVVIVR DDLLGFSLRECPSVLDYKVQAGNNSLYNTPPCFSIYVMGMVLEWIKNNGGAA AMEKLSSIKSQMIYEIIDNSQGFYVCPVERQNRSRMNIPFRIGNAKGDEALEKR FLDKAVELNMISLKGHRVGGIRASLYNAVTTEDVEKLAAFMKNFLEMHQL
Research Area	Others
Source	E.coli
Target Names	Psat1
Protein Names	Recommended name: Phosphoserine aminotransferase Short name= PSAT EC= 2.6.1.52 Alternative name(s): Endometrial progesterone-induced protein Short name= EPIP Phosphohydroxythreonine aminotransferase
Expression Region	1-370aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	56.5kDa
Protein Length	Full Length
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.