

## Phosphoserine Aminotransferase 1 Human Recombinant

<b>Item Number</b>	rAP-1947
<b>Synonyms</b>	Phosphoserine aminotransferase, Phosphohydroxythreonine aminotransferase, PSAT, PSAT1, PSA, EPIP.
<b>Description</b>	PSAT1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 394 amino acids (1-370) and having a molecular mass of 42.9kDa. PSAT1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	Q9Y617
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSHMDAPRQ VVNFGPGPAK LPHSVLLEIQ KELLDYKGVG IS-VLEMSHRS SDFAKIINNT ENLVRELLAV PDNYKVIFLQ GGGCGQFSAV PLNLIGLKAG RCADYVVTGA WSAKAAEAK KFGTINIVHP KLGSYTKIPD PSTWNLPDA SYVYYCANET VHGVEFDFIP DVKGAVLVCD MSSNFLSKPV DVSFGVIFA GAQKNVGSAG VTVIVRDDL LGFALRECP VLEY-KVQAGN SSLYNTPPCF SIYVMGLVLE WIKNNGGAAA MEKLSSIKSQ TIYEIIDNSQ GFYVCPVEPQ NRSKMNIPFR IGNAGKDDAL EKRFLDKALE LNMLSLKGHR SVGGIRASLY NAVTIEDVQK LAAFMKKFLE MHQL.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The PSAT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**