

Product information

PSAT1, 1-370aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1328

Full name: Phosphoserine aminotransferase

NCBI Accession No.: NP_478059

Synonyms: EPIP, PSA, PSAT

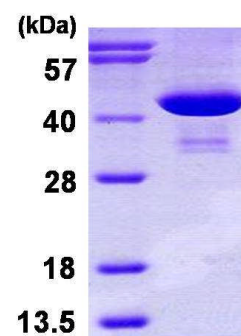
Description: PSAT1, also known as phosphoserine aminotransferase, catalyses the conversion of 3-phosphohydroxypyruvate into 3-phosphoserine which is dephosphorylated subsequently by phosphoserine phosphatase to form L-serine. Recombinant human PSAT1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT

Molecular Weight: 42.9 kDa (394aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSSLVPRGSH MGSMDAPRQ VVNFPGPAK LPHSVLLEIQ KELLDYKGVG ISVLEMSHRS SDFAKIINNT ENLVRELLAV
 PDNYKVI FLQ GGGCGQFSAV PLNLI GLKAG RCADYVVTGA WSAKAAEEAK KFGTINIVHP KLGSYTKIPD PSTWNLNPD SYVYYCANET
 VHGVDFDFIP DVKGAVLVCD MSSNFLSKPV DVSKFGVIFA GAQKNVGSAG VTVVIVRDDL LGFALRECPS VLEYKQAGN SSLYNTPPCF
 SIYVMGLVLE WIKNNGGAAA MEKLSSIKSQ TIYEI IDNSQ GFYVCPVEPQ NRSKMNIPFR IGNAKGDDAL EKRF LDKALE LNMLSLKGHR
 SVGGIRASLY NAVTIEDVQK LAAFMKKFLE MHQL

General references:

Choudhary C., *et al.* (2009) *Science*. 325:834-840

Hart C.E., *et al.* (2007) *Am. J. Hum. Genet.* 80:931-937

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
 Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.