

Recombinant Human PSAT1, T7-tagged

Cat. No. PSAT1-1560H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLR2L was expressed in <i>E. Coli</i> using an N-terminal T7 tag. MW= 42.6kDa.
Species	Human
Source	E.coli
Description	PSAT1 is likely a phosphoserine aminotransferase, based on similarity to proteins in mouse, rabbit, and Drosophila. It belongs to class-V of pyridoxal-phosphate-dependent aminotransferases and is required both in major phosphorylated pathway of serine biosynthesis and in the biosynthesis of pyridoxine.
Sequence	1-370.
Purity	~95%.
Specific Activity	n/aH.
Preparation	0.1 mg/0.48 ml.
Applications	E, WB, MS.
Buffer	10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN ₃ .
Storage	Store at -70°C. As with any protein, exposing PSAT1 recombinant protein to repeated

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

SDS-PAGE

SDS PAGE Analysis of PSAT1 Recombinant Protein. 4-20% SDS gradient gel.
Coomassie blue staining

GENE INFORMATION
Gene Name

[PSAT1 phosphoserine aminotransferase 1 \[Homo sapiens \]](#)

Synonyms

PSAT1; phosphoserine aminotransferase 1; PSA; EPIP; PSAT; MGC1460; endometrial progesterone-induced protein; EC 2.6.1.52

Gene ID

[29968](#)

mRNA Refseq

[NM_021154](#)

Protein Refseq

[NP_066977](#)

MIM

[610936](#)

UniProt ID

[Q9Y617](#)

**Chromosome
Location**

9q21.2

Pathway

Glycine, serine and threonine metabolism; Metabolic pathways; Vitamin B6 metabolism

Function

O-phospho-L-serine:2-oxoglutarate minotransferase activity; pyridoxal phosphate binding; transferase activity

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