

Recombinant Rat GPT protein(Met1-Ser496), His-tagged

Cat. No. Gpt-294R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gpt1 (NP_112301.1) (Met 1-Ser 496) with a C-terminal polyhistidine tag was expressed in Insect Cells.
Species	Rat
Source	Insect Cells
ProteinLength	1-496 a.a.
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol, 0.5mM TCEP. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant rat Gpt1 comprises 506 amino acids with a predicted molecular mass of 55 kDa. It migrates as an approximately 48 kDa band in reduced SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Gpt glutamic-pyruvate transaminase \(alanine aminotransferase\) \[Rattus norvegicus \]](#)

Official Symbol [GPT](#)

Synonyms GPT; glutamic-pyruvate transaminase (alanine aminotransferase); alanine aminotransferase 1; ALT1; GPT 1; glutamic pyruvate transaminase; glutamic--alanine transaminase 1; glutamic--pyruvic transaminase 1; glutamate pyruvate transaminase 1; glutamic pyruvic transaminase 1, soluble; glutamic pyruvic transaminase (alanine aminotrasferase); Gpt1;

Gene ID [81670](#)

mRNA Refseq [NM_031039](#)

Protein Refseq [NP_112301](#)

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