

Recombinant Mouse Gpt Protein, His-tagged

Cat. No. Gpt-374M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gpt Protein (Ala2-Ser496) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala2-Ser496
Description	Predicted to enable L-alanine:2-oxoglutarate aminotransferase activity and pyridoxal phosphate binding activity. Predicted to be involved in positive regulation of gluconeogenesis. Located in extracellular space. Is expressed in several structures, including alimentary system; brain; genitourinary system; respiratory system; and sensory organ. Orthologous to human GPT (glutamic--pyruvic transaminase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 58.7 kDa Accurate Molecular Mass: 59 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

Gpt glutamic pyruvic transaminase, soluble [*Mus musculus* (house mouse)]

Official Symbol

Gpt

Synonyms

Gpt; glutamic pyruvic transaminase, soluble; ALT; ALT1; Gpt1; Gpt-1; 1300007J06Rik; 2310022B03Rik; alanine aminotransferase 1; GPT 1; glutamate pyruvate transaminase 1; glutamic pyruvic transaminase 1, soluble; glutamic--alanine transaminase 1; glutamic--pyruvic transaminase 1; EC 2.6.1.2

Gene ID

76282

mRNA Refseq

NM_182805

Protein Refseq

NP_877957

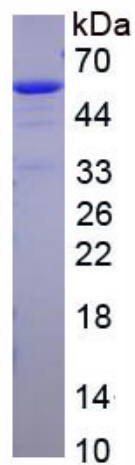
UniProt ID

Q8QZR5

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