

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

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

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

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

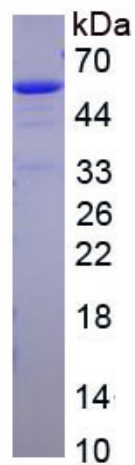
UniProt ID

Q8QZR5

 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



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