



Recombinant Mouse Alanine aminotransferase 1 (Gpt)

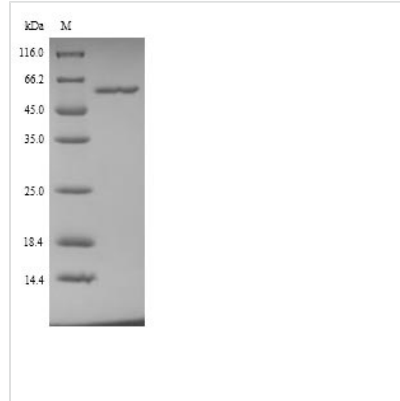
Product Code	CSB-YP851235MO
Relevance	Catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. Participates in cellular nitrogen metabolism and also in liver gluconeogenesis starting with precursors transported from skeletal muscles (By similarity).
Abbreviation	Recombinant Mouse Gpt protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8QZR5
Alias	ALT1 Alternative name(s): Glutamate pyruvate transaminase 1 Short name: GPT 1 Glutamic--alanine transaminase 1 Glutamic--pyruvic transaminase 1
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	ASQRNDRIQASRNLKGVLTLDTMNPCVRRVEYAVRGPVQRALALELEQELR QGVKKPFTEVIRANIGDAQAMGQRPITFFRQVLALCVYPNLLSSPDFPEDAKR RAERILQACGGHSLGAYSISGGIPIREDVAQYIERRDGGIPADPNIFLSTGAS DAIVTMLKLLVAGEGRARTGVLIPQYPLYSAALAEALDAVQVDYYLDEERAWA LDIAELRRALCQARDRCCPRVLCVINPGNPTGQVQTRECIEAVIRFAFEEGLFL MADEVYQDNVYAEGSQFHSFKKVLTEMGPPYATQQELASFHSVSKGYMGEC GFRGGYVEVVNMDAEVQKQMAKLMSVRLCPPVPGQALMGMVVSPPTPSEPS FKQFQAERQEVLAELAAKAKLTEQVFNEAPGIRCNPVQGAMYSFPQIQLPLKA VQRAQDLGLAPDMFFCLCLLEETGICVVPVPGSGFGQEQEGTYHFRMTILPPMEKL RVLLEKLRHFHAKFTHEYS
Research Area	Signal Transduction
Source	Yeast
Target Names	Gpt
Protein Names	Recommended name: Alanine aminotransferase 1 Short name= ALT1 EC= 2.6.1.2 Alternative name(s): Glutamate pyruvate transaminase 1 Short name= GPT 1 Glutamic--alanine transaminase 1 Glutamic--pyruvic transaminase 1
Expression Region	2-496aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged

**Mol. Weight**

57.0kDa

Protein Length

Full Length of Mature Protein

Image

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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