Recombinant Human Alanine aminotransferase 1(GPT)

Catalog No: #AP70358

Package Size: #AP70358-1 20ug #AP70358-2 100ug #AP70358-3 1mg

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Alanine aminotransferase 1(GPT)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-496aaSequence Info:Full Length
Other Names	Glutamate pyruvate transaminase 1 ;GPT 1;Glutamic--alanine transaminase 1;Glutamic--pyruvic transaminase 1
Accession No.	P24298
Calculated MW	58.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	ASSTGDRSQAVRHGLRAKVLTLDGMNPRVRRVEYAVRGPIVQRALELEQELRQGVKKPFTEVIRANIGDAQA MGQRPITFLRQVLALCVNPDLLSSPNFPDDAKKRAERILQACGGHSLGAYSVSSGIQLIREDVARYIERRDGGI PADPNNVFLSTGASDAIVTVLKLLVAGEGHTRTGVLIPIPQYPLYSATLAELGAVQVDYYLDEERAWALDVAEL HRALGQARDHCRPRALCVINPGNPTGQVQTRECIEAVIRFAFEERLFLLADEVYQDNVYAAGSQFHSFKKVLM EMGPPYAGQQELASFHSTSKGYMGECGFRGGYVEVVNMDAAVQQQMLKLMSVRLCPPVPGQALLDLVVSP PAPTDPSFAQFQAEKQAVLAELAAKAKLTEQVFNEAPGISCNPVQGAMYSFPRVQLPPRAVERAQELGLAPD MFFCLRLLEETGICVVPGSGFGQREGTYHFRMTILPPLEKLRLLLEKLSRFHAKFTLEYS
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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 .

References

"Joubert Syndrome in French Canadians and Identification of Mutations in CEP104."
Care4Rare Canada Consortium Srour M., Hamdan F.F., McKnight D., Davis E., Mandel H., Schwartzentruber J., Martin B., Patry L., Nassif C., Dionne-Laporte A., Ospina L.H., Lemyre E., Massicotte C., Laframboise R., Maranda B., Labuda D., Decarie J.C., Rypens F. Michaud J.L.
Am. J. Hum. Genet. 97:744-753(2015) Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.