

GPT recombinant protein

GPT, 1-496aa, Human, His tag, E Coli

CATALOG # AAA11816	HOST E Coli	APPLICATIONS SDS-Page
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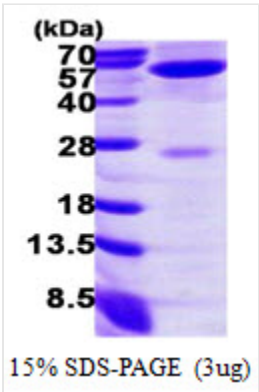
PRODUCT SYNONYMS

GPT; 1-496aa; Human; His tag; E Coli; alanine aminotransferase 1; AAT1; ALT1; GPT1; Alanine Transaminase; Alanine aminotransferase 1 ALAT1_HUMAN; Glutamate pyruvate transaminase 1; Glutamic alanine transaminase 1; Glutamic pyruvate transaminase; Glutamic pyruvic transaminase 1; Glutamic-alanine transaminase 1; Glutamic-pyruvic transaminase 1; gpt; GPT 1; GPT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 2mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSSLVPRGSH MASSTGDRSQ AVRHGLRAKV LTLDGMNPRV RVEYAVRGP IVQRALELEQ ELRQGVKKPF TEVIRANIGD AQAMGQRPIT FLRQVLALCV NPDLLSSPNF PDDAKKRAER ILQACGGHSL GAYSVSSGIQ LIREDVARYI ERRDGGIPAD PNNVFLSTGA SDAIVTVLKL LVAGEGHTRT GVLIPQYP LYSATLAELG AVQVDYYLDE ERAWALDAE LHRALGQARD HCRPRALCVI NPGNPTGQVQ TRECIEAVIR FAFEERLFL ADEVYQDNVY AAGSQFHSFK KVLMEMGPPY AGQQELASFH STSKGYMGEC GFRGGYVEVV NMDAAVQQQM LKLMSVRLCP PVPQGALLDL VVSPAPTDP SFAQFQAEKQ AVLAELAAGA KLTEQVFNEA PGISCNPVQG AMYSFPRVQL PPRaveraqe LGLAPDMFFC LRLLEETGIC VVPGSGFGQR EGTYHFRMTI LPPLEKLRL LLEKLSRFHAK FTLEYS
Sequence Length	1-496
Applicable Applications for GPT recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be store at 2°C to 8°C for one week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for GPT recombinant protein	GPT, also known as alanine aminotransferases (ALT1), catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. This protein plays a key role in the intermediary metabolism of glucose and amino acids. It is widely used as an index of liver integrity or hepatocellular damage in clinical settings. Recombinant human GPT protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for GPT recombinant protein	Metabolism
References	Sohocki M.M. et al. (1997) Genomics 40: 247-252.; Matthews C.C. et al. (2003) Brain Res. 978: 59-64.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885351
NCBI GeneID	2875
NCBI Accession #	NP_005300
NCBI GenBank Nucleotide #	NM_005309.2
UniProt Accession #	P24298; P78398; Q93076; B0YJ18; D3DWM7
Molecular Weight	56.8 kDa (516aa), confirmed by MALDI-TOF
NCBI Official Full Name	alanine aminotransferase 1
NCBI Official Synonym Full Names	glutamic--pyruvic transaminase
NCBI Official Symbol	GPT
NCBI Official Synonym Symbols	AAT1; ALT1; GPT1
NCBI Protein Information	alanine aminotransferase 1
UniProt Protein Name	Alanine aminotransferase 1
UniProt Gene Name	GPT
UniProt Synonym Gene Names	AAT1; GPT1; ALT1; GPT 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.