

Glutamic-Pyruvate Transaminase Recombinant Protein | GPT recombinant protein

Recombinant Human Glutamic-Pyruvate Transaminase

CATALOG #
AAA38896HOST
E Coli

PRODUCT SYNONYMS

Glutamic-Pyruvate Transaminase; Recombinant Human Glutamic-Pyruvate Transaminase; GPT Human; Glutamic-Pyruvate Transaminase Human Recombinant; Glutamic-pyruvate transaminase (alanine aminotransferase); GPT1; ALT1; AAT1; Glutamic-alanine transaminase 1; EC 2.6.1.2; GPT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The GPT solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT and 20% glycerol. Sterile Filtered colorless solution.
Concentration	0.5 mg/ml (varies by lot)
Sequence	MGSSHHH HHHSSGLVPR GSHMAS STGDRSQAVR HGLRAKVLTL DGMNPRVRRV EYAVRGPIVQ RALELEQELR QGVKKPFTEV IRANIGDAQA MGQRPITFLR QVLALCVNPD LLSSPNFPDD AKKRAERILQ ACGGHSLGAY SVSSGIQLIR EDVARYIERR DGGIPADPNN VFLSTGASDA IVTLKLLVA GEGHTRTGVL IIPQYPLYS ATLAELGAVQ VDYYLDEERA WALDVAELHR ALGQARDHCR PRALCVINPG NPTGQVQTRE CIEAVIRFAF EERLFLADE VYQDNVYAAG SQFHSFKKVL MEMGPPYAGQ QELASFHSTS KGYMGECGFR GGYVEVNMD AAVQQQMLKL MSVRLCPPVP GQALLDLVVS PPAPTDP SFA QFQAEKQAVL AELAAKAKLT EQVFNEAPGI SCNPVQGAMY SFPRVQLPPR AVERAQELGL APDMFFCLRL LEETGICVVP GSGFGQREGT YHFRMTILPP LEKLRLLLEK LSRFHAKFTL EYS
Sequence Length	496

ADDITIONAL INFORMATION

Related Product Information for GPT recombinant protein	Description: GPT Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 516 amino acids (1-496) and having a molecular mass of 56.8 kDa. GPT is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: GPT catalyzes the reversible transamination between alanine and 2-oxoglutarate to create pyruvate and glutamate. GPT has a crucial part in the intermediary metabolism of glucose and amino acids. GPT is broadly used as an indicator of liver reliability or hepatocellular destruction in clinical tests.
Product Categories/Family for GPT recombinant protein	Enzymes; Transaminase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885351
NCBI GeneID	2875
NCBI Accession #	NP_005300.1
NCBI GenBank Nucleotide #	NM_005309.2
UniProt Accession #	P24298; P78398; Q93076; B0YJ18; D3DWM7
Molecular Weight	54,637 Da

NCBI Official Full Name	alanine aminotransferase 1
NCBI Official Synonym Full Names	glutamic-pyruvate transaminase (alanine aminotransferase)
NCBI Official Symbol	GPT
NCBI Official Synonym Symbols	AAT1; ALT1; GPT1
NCBI Protein Information	alanine aminotransferase 1; GPT 1; glutamate pyruvate transaminase 1; glutamic--alanine transaminase 1; glutamic--pyruvic transaminase 1; glutamic-alanine transaminase 1
UniProt Protein Name	Alanine aminotransferase 1
UniProt Gene Name	GPT
UniProt Synonym Gene Names	AAT1; GPT1; ALT1; GPT 1
UniProt Entry Name	ALAT1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/gpt-recombinant-protein-e-coli/38896>