

Glutamic-Pyruvate Transaminase Active Protein | GPT active protein

Recombinant Human Glutamic-Pyruvate Transaminase

CATALOG #
AAA38251

HOST
E Coli

PRODUCT SYNONYMS

Glutamic-Pyruvate Transaminase; Recombinant Human Glutamic-Pyruvate Transaminase; GPT Human; Active; Glutamic-Pyruvate Transaminase Human Recombinant; Alanine aminotransferase 1; ALT1; EC 2.6.1.2; Glutamate pyruvate transaminase 1; GPT 1; Glutamic--alanine transaminase 1; Glutamic--pyruvic transaminase 1; GPT; AAT1; GPT1; GPT Active; GPT active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The protein (1,560U/ml) was dialyzed against 40mM sodium acetate buffer (pH 5.5), 1mM DTT, 1mM EDTA, 5mM 2-oxoglutarate and 0.1mM pyridoxal-5'-phosphate.
Sequence Length	496
Physical Appearance	Sterile liquid formulation.
Biological Activity	The specific activity was found to be 839 U/mg.
Preparation and Storage	AAT1 although stable at 10°C for 5 days, should be stored below -18°C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GPT active protein	Description: Alanine Aminotransferase Human Recombinant produced in E.Coli is a homodimer, non-glycosylated, polypeptide chain containing 495a.a and having a molecular mass of 54,479 Dalton. The amino acid sequence is the same as that of native form of human liver ALT. The ALT is purified by proprietary chromatographic techniques.
Product Categories/Family for GPT active 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
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://www.aaabiotech.com/e-coli-gpt-active-protein/glutamic-pyruvate-transaminase/38251>