

Glutamic-Oxaloacetic Transaminase 1 Active Protein | GOT1 active protein

Recombinant Human Glutamic-Oxaloacetic Transaminase 1, Active

CATALOG #
AAA39141

HOST
E Coli

PRODUCT SYNONYMS

Glutamic-Oxaloacetic Transaminase 1; Recombinant Human Glutamic-Oxaloacetic Transaminase 1; Active; GOT1 Human; EC 2.6.1.1; Aspartate aminotransferase 1; Transaminase A; GIG18; Glutamic-Oxaloacetic Transaminase 1 Human Recombinant; GOT1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	Sterile filtered colorless solution. The GOT1 solution (0.5mg/ml) containing 20mM Tris-HCl pH-8.0, 2mM DTT, 0.1M NaCl & 20% glycerol.
Sequence	MGSSHHH HHHSSGLVPR GSHMAP PSVFAEVPQA QPVLVFKLTA DFREDPDPK VNLGVGAYRT DDCHPWVLPV VKKVEQKIAN DNSLNHEYLP ILGLAEFRSC ASRLALGDDS PALKEKRVGG VQSLGGTGAL RIGADFLARW YNGTNNKNTP VYVSSPTWEN HNAVFSAAAGF KDIRSYRYWD AEKRGDLQGG FLNDLENAPE FSIVVLHACA HNPTGIDPTP EQWKQIASVM KHRFLFPFFD SAYQGFASGN LERDAWAIRY FVSEGFEFFC AQSFSGNFGL YNERVGNLTV VGKEPESILQ VLSQMEKIVR ITWSNPPAQG ARIVASTLSN PELFEEWTGN VKTMDRILT MRSELRARLE ALKTPGTWNH ITDQIGMFSF TGLNPKQVEY LVNEKHIYLL PSGRINVSGL TTKNLDYVAT SIHEAVTKIQ
Sequence Length	413
Biological Activity	Specific activity is > 50 units/mg, and is defined as the amount of enzyme that converts 1umole of α -ketoglutarate to L-Glutamate per minute at pH 8.0 at 25C.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GOT1 active protein	Description: GOT1 Human Recombinant E Coli produced in E Coli is a single, non-glycosylated polypeptide chain containing 433 amino acids (1-413 a.a.) and having a molecular mass of 48.4 kDa. The GOT1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: GOT1 is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, which participate in amino acid metabolism and the urea and tricarboxylic acid cycles. Both enzymes are homodimeric and show close homology.
Product Categories/Family for GOT1 active protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504067
NCBI GeneID	2805
NCBI Accession #	NP_002070.1
NCBI GenBank Nucleotide #	NM_002079.2
UniProt Accession #	P17174 ; Q5VW80 ; B2R6R7 ; B7Z7E9

NCBI Official Full Name	aspartate aminotransferase, cytoplasmic
NCBI Official Synonym Full Names	glutamic-oxaloacetic transaminase 1
NCBI Official Symbol	GOT1
NCBI Official Synonym Symbols	AST1; cCAT; GIG18; cAspAT; ASTQTL1
NCBI Protein Information	aspartate aminotransferase, cytoplasmic
UniProt Protein Name	Aspartate aminotransferase, cytoplasmic
UniProt Gene Name	GOT1
UniProt Synonym Gene Names	cAspAT; cCAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-got1-active-protein/glutamic-oxaloacetic-transaminase-1/39141>