

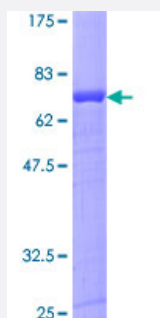
Full-Length

GOT1 (Human) Recombinant Protein (P01)

Catalog # H00002805-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GOT1 full-length ORF (NP_002070.1, 1 a.a. - 413 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAPPSVFAEVPQAQPVLVFKLTADFREDPDPRKVN LGVGAYRTDDCHPWVLPVVKKVEQKIAN
DNSLNHEYLPILGLAEFRSCASRLALGDDSPALKEKRVGGVQSLGGTGALRIGADFLARWYNGTN
NKNTPVYVSSPTWENHNAVFS AAGFKDIRSYRYWDAEKRGDLQGF LNDLENAPEFSIVVLHACA
HNPTGIDPTPEQWKQIASVMKHRFLFPFFDSAYQGFASGNLERDAWAIRYFVSEGFEFFCAQSFS
KNFGLYNERVG NLT VVGKEPESILQVLSQMEKIVRITWSNPPAQQGARIVASTLSNPELFEEWTGNV
KTMADRIL TMRSELRARLEALKTPGTWNHITDQIGMFSFTGLNPKQVEYLVNEKHMYLLPSGRINVS
GLTTKNLDYVATSIHEAVTKIQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.6

Interspecies Antigen Sequence

Mouse (91); Rat (90)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GOT1

Entrez GeneID	2805
GeneBank Accession#	NM_002079.1
Protein Accession#	NP_002070.1
Gene Name	GOT1
Gene Alias	GIG18
Gene Description	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)
Omim ID	138180
Gene Ontology	Hyperlink
Gene Summary	Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. [provided by RefSeq]
Other Designations	OTTHUMP00000020254 aspartate aminotransferase 1 growth-inhibiting protein 18

Pathway

- [Alanine](#)
- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Cysteine and methionine metabolism](#)
- [Isoquinoline alkaloid biosynthesis](#)
- [Metabolic pathways](#)
- [Novobiocin biosynthesis](#)
- [Phenylalanine](#)
- [Phenylalanine metabolism](#)
- [Tyrosine metabolism](#)