

Bioactive

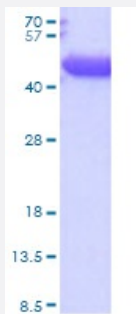
Full-Length

GOT1 (Human) Recombinant Protein

Catalog # P6934

Size 100 ug

Applications



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

Specification

Product Description	Human GOT1 (NP_002070, 1 - 413 a.a.) full length recombinant protein with His tag expressed in <i>Escherichia coli</i> expression system.
Host	Escherichia coli
Theoretical MW (kDa)	48.4
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU/ug
Activity	Specific activity is > 50 units/mg, and is defined as the amount of enzyme that converts 1 umole of α-ketoglutarate to L-Glutamate per minute at pH 8.0 at 25°C.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue 3 ug SDS-PAGE under reducing condition and visualized by coomassie blue stain.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.

Storage Buffer	In 20 mM Tris-HCl, 100 mM NaCl, 2 mM DTT, pH 8.0 (20% glycerol)
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Storage Instruction	Store at 4°C for one week. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- SDS-PAGE

Gene Info — GOT1

Entrez GeneID	2805
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Protein Accession#	P17174
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Gene Name	GOT1
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Gene Alias	GIG18
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Gene Description	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)
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Omim ID	138180
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Gene Ontology	Hyperlink
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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]
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Other Designations	OTTHUMP00000020254 aspartate aminotransferase 1 growth-inhibiting protein 18
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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](#)