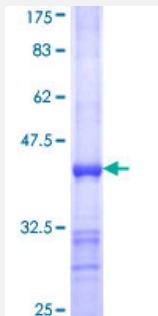


GOT2 (Human) Recombinant Protein (Q01)

Catalog # H00002806-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GOT2 partial ORF (NP_002071 , 331 a.a. - 430 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LNTPDLRKQWLQEVKGMADRIIGMRTQLVSNLKKEGSTHNWQHITDQIGMFCFTGLKPEQVERLIK EFSYMTKDGRISVAGVTSSNVGYLAHAHQVTK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (93); Rat (93)
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 — GOT2

Entrez GeneID	2806
GeneBank Accession#	NM_002080
Protein Accession#	NP_002071
Gene Name	GOT2
Gene Alias	FLJ40994, KAT4, KATV, mitAAT
Gene Description	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)
Omim ID	138150
Gene Ontology	Hyperlink
Gene Summary	Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane 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	aspartate aminotransferase 2 kynurenine aminotransferase IV

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](#)