

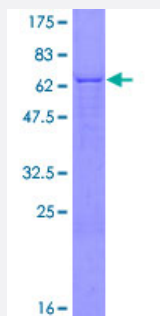
Full-Length

GOT2 (Human) Recombinant Protein (P01)

Catalog # H00002806-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GOT2 full-length ORF (AAH00525.1, 1 a.a. - 430 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALLHSGRVLPGIAAAFHPGLAAAASARASSWWTHVEMGPPDPILGVTEAFKRDTNSKKMNLGV
GAYRDDNGKPYVLPVSRKAEQAIAAKNLDKEYLPIGGLAEFCKASAELALGENSEVLKSGRFVTV
QTISGTGALRIGASFLQRFFKFSRDVFLPKPTWGNHTPIFRDAGMQLQGYRYDPKTCGFDFGTGAV
EDISKIPEQSVLLLHACAHNPTGVDPRPEQWKEIATVVKRNLFAFFDMAYQGFASGDGDKDAW
AVRHFIEQGINVCLCQSYAKNMGLYGERVGAFSTMVCKDADEAKRVESQLKILIRPMYSNPPLNGA
RIAAAILNTPDLRKQWLQEVKVMADRIIGMRTQLVSNLKKEGSTHNWQHITDQIGMFCFTGLKPEQ
VERLIKEFSYMTKDGRI SVAGVTSSNVGYLAHAIHQATK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

73.9

Interspecies Antigen Sequence

Mouse (94); Rat (94)

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#	BC000525.2
Protein Accession#	AAH00525.1
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](#)