

## Aspartate aminotransferase Recombinant Protein | GOT2 recombinant protein

Recombinant Bovine Aspartate aminotransferase, mitochondrial

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA81716</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|------------------------------|-----------------------------------------------------------------|

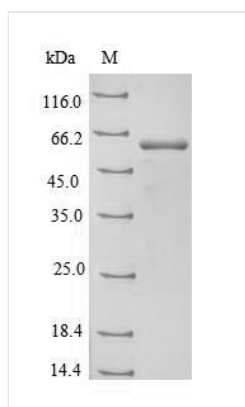
### PRODUCT SYNONYMS

Aspartate aminotransferase; Recombinant Bovine Aspartate aminotransferase; mitochondrial; Fatty acid-binding protein; FABP-1; Glutamate oxaloacetate transaminase 2; Kynurenine aminotransferase 4; Kynurenine aminotransferase IV; Kynurenine-oxoglutarate transaminase 4; Kynurenine-oxoglutarate transaminase IV; Plasma membrane-associated fatty acid-binding protein; FABPpm; Transaminase A; GOT2 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                               |
| Sequence Positions      | 20-430aa; Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sequence                | GLAAAASARA SSWWAHVEMG PDPILGVTE AFKRDNSKK MNLGVGAYRD DNGKPYVLPS VRKAEAQIAA<br>KNLDKEYLPI AGLAEFCKAS AELALGENNE VLKSGRYVTV QTISGTGALR IGASFLQRFF KFSRDVFLPK<br>PTWGNHTPIF RDAGMQLQSY RYYDPKTCGF DFTGAIEDIS KIPAQSVILL HACAHNPTGV DPRPEQWKEM<br>ATVVKKNNLF AFFDMAYQGF ASGDGNKDAW AVRHFIEQGI NVCLCQSYAK NMGLYGERVG AFTVVCKDAE<br>EAKRVESQLK ILIRPMYSNP PINGARIAST ILTSPDLRKQ WLHEVKGMD RIISMRTQLV SNLKKEGSSH<br>NWQHIIQIG MFCYTGLKPE QVERLTKEFS IYMTKDGRIS VAGVTSGNVA YLAHAHQVT K |
| Sequence Length         | 430                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Species                 | Bos taurus (Bovine)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                                                                                                                         |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

|                                                                 |                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for GOT2 recombinant protein</b> | Catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA). Plays a key role in amino acid metabolism. Important for metabolite exchange between mitochondria and cytosol. Facilitates cellular uptake of long-chain free fatty acids (By similarity). |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                        |                                                                                                                                                                                                                    |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for GOT2 recombinant protein | Metabolism                                                                                                                                                                                                         |
| References                                             | "Nucleotide sequence of a cDNA coding for bovine mitochondrial aspartate aminotransferase." Palmisano A., Aurilia V., Ferrara L., Cubellis M.V., Sannia G., Marino G. Int. J. Biochem. Cell Biol. 27:507-511(1995) |

### NCBI AND UNIPROT INFORMATION

|                            |                                           |
|----------------------------|-------------------------------------------|
| NCBI GI #                  | 27807377                                  |
| NCBI GeneID                | 286886                                    |
| NCBI Accession #           | NP_777231.1                               |
| NCBI GenBank Nucleotide #  | NM_174806.2                               |
| UniProt Accession #        | P12344; Q3T0Q1; A5D967                    |
| Molecular Weight           | 61.5 kDa                                  |
| NCBI Official Full Name    | aspartate aminotransferase, mitochondrial |
| NCBI Official Symbol       | GOT2                                      |
| NCBI Protein Information   | aspartate aminotransferase, mitochondrial |
| UniProt Protein Name       | Aspartate aminotransferase, mitochondrial |
| UniProt Gene Name          | GOT2                                      |
| UniProt Synonym Gene Names | mAspAT; FABP-1; FABPpm                    |
| UniProt Entry Name         | AATM_BOVIN                                |

**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.

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 Online datasheet: <https://stage.aaabiotech.com/got2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/81716>