

## GOT2 recombinant protein

GOT2, 30-430aa, Human, His tag, E Coli

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48829</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

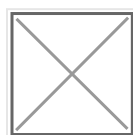
### PRODUCT SYNONYMS

GOT2; 30-430aa; Human; His tag; E Coli; Aspartate aminotransferase 2 mitochondrial; Aspartate aminotransferase 2; mitochondrial; KAT4; KATIV; mitAAT; GOT2 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Host                                                 | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purity/Purification                                  | > 95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Form/Format                                          | Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration                                        | 0.5 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence                                             | MGSSHHHHH SSGLVPRGSH MGSSSWWTHV EMGPPDPILG VTEAFKRD TN SKKMNLGVGA YRDDNGKPYV<br>LPSVRKAE AQ IAAKNDKEY LPIGGLAEFC KASAEALGE NSEVLKSGRF VTVQTISGTG ALRIGASFLQ<br>RFFKFSRDVF LPKPTWGNHT PIFRDAGMQL QGYRYDPKT CGFDFTGAVE DISKIQSV LLLHACAHNP<br>TGVDP RPEQW KEIATVVKR NLFAFFDMAY QGFASGDGDK DAWAVRH FIE QGINVCLCQS YAKNMGLYGE<br>RVGAFTMVCK DADEAKRVES QLKILIRPMY SNPPLNGARI AAAILNTPDL RKQWLQEVKV MADRIIGMRT<br>QLVSNLKKEG STHNWQHITD QIGMFCFTGL KPEQVERLIK EFSIYMTKDG RISVAGVTSS NVGYLAHAH QVTK |
| Sequence Length                                      | 430                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for GOT2 recombinant protein | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Antigen Species                                      | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tag Information                                      | His-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Preparation and Storage                              | Can be stored at 4 degree C short term (1-2 weeks).<br>For long term storage, aliquot and store at -20 degree C or -70 degree C.<br>Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                               |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GOT2 recombinant protein | GOT2, also known as glutamate oxaloacetate transaminase 2, belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. glutamate oxaloacetate 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. Recombinant human GOT2 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques. |
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| Product Categories/Family for GOT2 recombinant protein | Metabolism                                                                                                                         |
| References                                             | Guidetti P, Amori L, et al. (2007). J Neurochem. 102 (1):103-11.; Lain B, Iriarte A, et al. (1995). J Biol Chem. 270 (42):24732-9. |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 73486658                                            |
| NCBI GeneID                      | 2806                                                |
| NCBI Accession #                 | NP_002071                                           |
| NCBI GenBank Nucleotide #        | NM_002080.3                                         |
| UniProt Accession #              | P00505; Q53FL3; Q9BWA3; B4DJA6; E7ERW2              |
| Molecular Weight                 | 47 kDa (424aa) confirmed by MALDI-TOF               |
| NCBI Official Full Name          | aspartate aminotransferase, mitochondrial isoform 1 |
| NCBI Official Synonym Full Names | glutamic-oxaloacetic transaminase 2                 |
| NCBI Official Symbol             | GOT2                                                |
| NCBI Official Synonym Symbols    | KAT4; KATIV; KYAT4; mitAAT                          |
| NCBI Protein Information         | aspartate aminotransferase, mitochondrial           |
| UniProt Protein Name             | Aspartate aminotransferase, mitochondrial           |
| UniProt Gene Name                | <b>GOT2</b>                                         |
| UniProt Synonym Gene Names       | mAspAT; FABP-1; FABPpm                              |

**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-sds-page/48829>