

Recombinant human GOT2 protein

Catalog Number: ATGP1943

PRODUCT INFORMATION

Expression system

E.coli

Domain

30-430aa

UniProt No.

P00505

NCBI Accession No.

NP_002071.2

Alternative Names

Aspartate aminotransferase 2 mitochondrial, Aspartate aminotransferase 2, mitochondrial, KAT4, KATIV, mitAAT

PRODUCT SPECIFICATION

Molecular Weight

47 kDa (424aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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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Amino acid Sequence

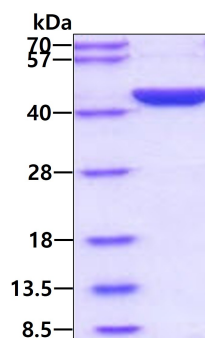
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LPKPTWGNHT PIFRDAGMQL QGYRYYDPKT CGFDFTGAVE DISKIPEQSV LLLHACAHNP TGVDPRPEQW KEIATVVKKR
NLFAFFDMAY QGFASGDGDK DAWAVRHIE QGINVCLCQS YAKNMGLYGE RVGAFTMVCK DADEAKRVES QLKILIRPMY
SNPPLNGARI AAAILNTPDL RKQWLQEVKV MADRIIGMRT QLVSNLKKEG STHNWQHITD QIGMFCFTGL KPEQVERLIK
EFSIYMTKDG RISVAGVTSS NVGYLAHAH QVTK

General 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.

DATA

SDS-PAGE



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