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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 transaminas 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

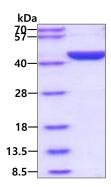
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General References

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.

