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GOT2, human recombinant protein

Aspartate aminotransferase 2, mitochondrial, KAT4, KATIV, mitAAT

Catalog # PBV11368r

Specification

GOT2, human recombinant protein - Product info

Primary Accession	P05202
Concentration	0.5
Calculated MW	48.4 kDa (433 aa, 1-413 aa + His Tag) KDa

GOT2, human recombinant protein - Additional Info

Gene ID	14719
Gene Symbol	GOT2

Other Names

Aspartate aminotransferase 2, mitochondrial, KAT4, KATIV, mitAAT

Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity is > 44 unit/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MGSSSWWTHV EMGPPDPILG VTEAFKRDTN SKKMNLGVGA YRDDNGKPYV LPSVRKAEAQ IAAKNLDKEY LPIGGLAEFC KASAELALGE NSEVLKSGRF VTVQTISGTG ALRIGASFLQ RFFKFSRDVF LPKPTWGNHT PIFRDAGMQL QGYRYYDPKT CGFDFTGAVE DISKIPEQSV LLLHACAHNP TGVDPRPEQW KEIATVVKKR NLFAFFDMAY QGFASGDGDK DAWAVRHFIE QGINVCLCQS YAKNMGLYGE RVGAFTMVCK DADEAKRVES QLKILIRPMY SNPPLNGARI AAAILNTPDL RKQWLQEVKV MADRIIGMRT QLVSNLKKEG STHNWQHITD QIGMFCFTGL KPEQVERLIK EFSIYMTKDG RISVAGVTSS NVGYLAHAIH QVTK

Target/Specificity

GOT2

Format

Liquid

Storage

-20°C; 0.5 mg/ml solution 20 mM Tris-HCl buffer (pH 8.0), 10% glycerol, 150 mM NaCl and 1 mM DTT.

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GOT2, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GOT2, human recombinant protein - Images

GOT2, human recombinant protein - Background

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.

GOT2, human recombinant protein - References

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