Datasheet for ABIN7596268

GOT2 Protein (AA 30-430) (His tag)

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Overview

Quantity:	100 µg
Target:	GOT2
Protein Characteristics:	AA 30-430
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GOT2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	SSWWTHVEM GPPDPILGVT EAFKRDTNSK KMNLGVGAYR DDNGKPYVLP SVRKAEAQIA AKNLDKEYLP IGGLAEFCKA SAELALGENN EVLKSGRFVT VQTISGTGAL RVGASFLQRF FKFSRDVFLP KPSWGNHTPI FRDAGMQLQG YRYYDPKTCG FDFSGALEDI SKIPEQSVLL LHACAHNPTG VDPRPEQWKE IASVVKKKNL FAFFDMAYQG FASGDGDKDA WAVRHFIEQG INVCLCQSYA KNMGLYGERV GAFTVVCKDA EEAKRVESQL KILIRPLYSN PPLNGARIAA TILTSPDLRK QWLQEVKGMA DRIISMRTQL VSNLKKEGSS HNWQHITDQI GMFCFTGLKP EQVERLTKEF SVYMTKDGRI SVAGVTSGNV GYLAHAIHQV TK
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 20unit/mg, and is defined as the amount of enzyme that converts 1umole

Product Details

	of alpha-ketoglutarate to L-Glutamate per minute at pH 8.0 at 25C.

Target Details

Target:	GOT2
Alternative Name:	GOT2 (GOT2 Products)
Background:	GOT2, also known aspartate aminotransferase, mitochondrial, belongs to the class-IPyridoxal-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 mouse GOT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	46.8 kDa (422aa) confirmed by MALDI-TOF
NCBI Accession:	NP_034455
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.