Datasheet for ABIN5854232

GOT1 Protein (AA 1-413) (His tag)

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1 Image

Overview

Quantity:	100 µg
Target:	GOT1
Protein Characteristics:	AA 1-413
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GOT1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAPPSVF AQVPQAPPVL VFKLTADFRD DPDPRKVNLG VGAYRTDESQ PWVLPVVRKV EQKIANDNSL NHEYLPILGL AEFRSCASRL VLGDNSPAIR ENRVGGVQSL GGTGALRIGA DFLGRWYNGT DNKNTPIYVS SPTWENHNAV FSAAGFKDIR PYCYWDAEKR GLDLQGFLND LENAPEFSIF VLHACAHNPT GTDPTPEQWK QIAAVMQRRF LFPFFDSAYQ GFASGDLEKD AWAIRYFVSE GFELFCAQSF SKNFGLYNER VGNLTVVGKE SDSVLRVLSQ MEKIVRITWS NPPAQGARIV AATLSDPELF KEWKGNVKTM ADRILTMRSE LRARLEALKT PGTWSHITEQ IGMFSFTGLN PKQVEYLVNE KHIYLLPSGR INMCGLTTKN LDYVATSIHE AVTKIQ
Purity:	> 95 % by SDS - PAGE
Biological Activity Comment:	Specific activity is > 80 units/mg, and is defined as the amount of enzyme that converts 1.0

Product Details

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

Target Details

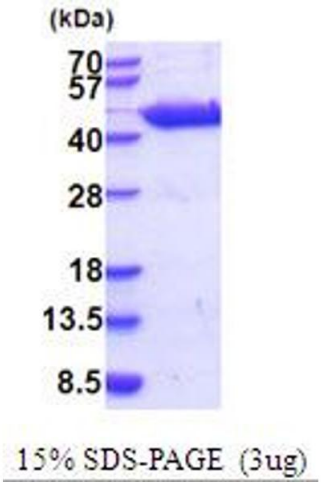
Target:	GOT1
Alternative Name:	Got1 (GOT1 Products)
Background:	Got1 also known as Glutamate oxaloacetate transaminase 1 is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT1 plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. Recombinant mouse Got1 fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	48.6kDa (436aa) confirmed by MALDI-TOF
Pathways:	Hepatitis C, Monocarboxylic Acid Catabolic Process, Methionine Biosynthetic Process

Application Details

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

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid, In Phosphate buffered saline (pH 7.4) containing 10 % glycerol, 1 mM DTT
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.

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