OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR51905PU-S

GOT1 (1-413, His-tag) Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	GOT1 (1-413, His-tag) mouse recombinant protein, 0.1 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA 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
Tag:	His-tag
Predicted MW:	48.6 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse Got1 fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_034454
Locus ID:	14718

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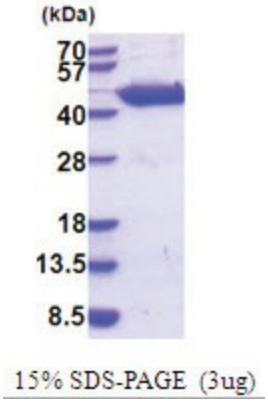
UniProt ID: P05201

Cytogenetics: 19 36.67 cM

Synonyms: AI789014; cAspAT; cCAT; Got-1

Summary: Biosynthesis of L-glutamate from L-aspartate or L-cysteine. Important regulator of levels of glutamate, the major excitatory neurotransmitter of the vertebrate central nervous system. Acts as a scavenger of glutamate in brain neuroprotection. The aspartate aminotransferase activity is involved in hepatic glucose synthesis during development and in adipocyte glyceroneogenesis. Using L-cysteine as substrate, regulates levels of mercaptopyruvate, an important source of hydrogen sulfide. Mercaptopyruvate is converted into H(2)S via the action of 3-mercaptopyruvate sulfurtransferase (3MST). Hydrogen sulfide is an important synaptic modulator and neuroprotectant in the brain (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



15% SDS-PAGE (3ug)