

Product datasheet for AR51905PU-N

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OriGene Technologies, Inc.

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

Product data:

Product Type: Recombinant Proteins

Description: GOT1 (1-413, His-tag) mouse recombinant protein, 0.5 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 GLDLOGELND LENAPEESIE VLHACAHNPT GTDPTPEOWK QIAAVMORRE

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

19 36.67 cM **Cytogenetics:**

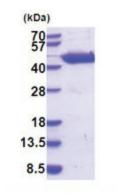
Synonyms: AI789014; cAspAT; cCAT; Got-1

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)