

## Product datasheet for **AR51905PU-N**

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

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	GOT1 (1-413, His-tag) mouse recombinant protein, 0.5 mg
<b>Species:</b>	Mouse
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMAPPSVF AQVPQAPPVL VFCLTADFRD DPDPKRVNLG VGAYRTDESQ PWVLPVVRKV EQKIANDNSL NHEYLPIGL AEFRSCASRL VLGDNPAIR ENRVGGVQSL GGTGALRIGA DFLGRWYNGT DNKNTPIYVS SPTWENHNAV FSAAGFKDIR PYCYWDAEKR GLDLQGFLND LENAPEFSIF VLHACAHNPT GTDPTPEQWK QIAAVMQRRF LFPFFDSAYQ GFASGDLEKD AWAIYFVSE GFELFCAQSF SKNFGLYNER VGNLTVVGKE SDSVLRVLSQ MEKIVRITWS NPPAQGARIV AATLSDPELF KEWKGNVKT M ADRILTRSE LRARLEALKT PGTWSHITEQ IGMFSFTGLN PKQVEYLVNE KHIYLLPSGR INMCGLTTKN LDYVATSIHE AVTKIQ
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	48.6 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1 mM DTT
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant mouse Got1 fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<u><a href="#">NP_034454</a></u>
<b>Locus ID:</b>	14718



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UniProt ID:	<a href="#">P05201</a>
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 <sub>2</sub> 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:

