

Got1, 1-413aa , Mouse, His tag, E.coli

Cat.NO.: TP02307

3th Edition

Synonyms: Glutamate oxaloacetate transaminase 1 soluble, cAspAT

Description: 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.

Form: Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

Molecular Weight: 48.6kDa (436aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMAPPSVFAQVPQAPPVLVFKLTADFRDDPDPRKVN LGVGAYRTDESQPWV
LPVVRKVEQKIANDNSLNHEYLPIGLAEFRSCASRLVLGDNSPAIRENRVGGVQSLGGTGALRIGADFLGRWYNG
TDNKNTPIYVSSPTWENHNAVFS AAGFKDIRPYCYWDAEKRLDLQGFLNDLENAPEFSIFVLHACAHNPTGTDPT
PEQWKQIAAVMQRRFLFPFFDSAYQGFASGDLEKDAWAIRYFVSEGFELFCAQSFSKNFGLYNERVGNLTVVGKE
SDSVLRVLSQMEKIVRITWSNPPAQGARIVAATLSDP ELFKEWKGNVKT MADRILTMRS ELRARLEALKTPGTWSHI
TEQIGMFSFTGLNPKQVEYLVNEKHIYLLPSGRINMCGLTTKNLDYVATSIHEAVTKIQ

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.