

**GOT1, 1-413aa, Human, His tag, E.coli**

**Cat.NO.: TP02308**

3th Edition

**Synonyms:** Glutamic-oxaloacetic transaminase 1, Aspartate aminotransferase 1, Transaminase A, GIG18

**Description:** Glutamic-oxaloacetic transaminase (GOT) is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. Recombinant human GOT1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 2mM DTT, 100mM NaCl

**Molecular Weight:** 48.4kDa (433aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMAPPSVFAEVPQAQPVLVFKLTADFREDPDPRKVN LGVGAYRTDDCHPWVLPVV  
KKVEQKIANDNSLNHEYLPILGLAEFRSCASRLALGDDSPALKEKRVGGVQSLGGTGALRIGADFLARWYNGTNNK  
NTPVYVSSPTWENHNAVFS AAGFKDIRSYRYWDAEKRGDLQGFLNDLENAPEFSIVVLHACAHNPTGIDPTPEQW  
KQIASVMKHRFLFPFFDSAYQGFASGNLERDAWAI RYFVSEGFEFFCAQSFSKNFGLYNERVGNLTVVGKEPESIL  
QVLSQMEKIVRITWSNPPAQGARIVASTLSNPELFEEWTGNVKTMADRILTMRSELRARLEALKTPGTWNHITDQIG  
MFSFTGLNPKQVEYLVNEKH IYLLPSGRINVSGLTTKNLDYVATSIHEAVTKIQ

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/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.