

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:

MGSSHHHHHHSSGLVPRGSHMAPPVFAEVPQAQPVLVFKLTADFREDPDPRKVN LGVGAYRTDDCHPWVLPVV
KKVEQKIANDNSLNHEYLPIGLAEFRSCASRLALGDDSPALKEKRVGGVQSLGGTGALRIGADFLARWYNGTNNK
NTPVYVSSPTWENHNAVFS AAGFKDIRSYRYWDAEKRLDLQGFLNDLENAPEFSIVVLHACAHNPTGIDPTPEQW
KQIASVMKHRFLFPFFDSAYQGFASGNLERDAWAI RYFVSEGFEFFCAQSFSKNFGLYNERVGNLTVVGKEPESIL
QVLSQMEKIVRITWSNPPAQQGARIVASTLSNPELFEEWTGNVKT MADRILTMRSELRARLEALKTPGTWNHITDQIG
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.