

**GOT2, 30-430aa Human, His tag, E.coli**

**Cat.NO.: TP02310**

3th Edition

**Synonyms:**Aspartate aminotransferase 2, mitochondrial, KAT4, KATIV, mitAAT

**Description:**GOT2, also known as glutamate oxaloacetate transaminase 2, belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. glutamate oxaloacetate transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane 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 GOT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:**47 kDa (424aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSSSWWTHVEMGPPDPILGVTEAFKRDTNSKKMNLGVGAYRDDNGKPYVLPS  
VRKAEAQIAAKNLDKEYLPIGGLAEFCKASAELALGENSEVLKSGRFVTVQTISGTGALRIGASFLQRFFKFSRDVFL  
PKPTWGNHTPIFRDAGMQLQGYRYYPKTCGFDFTGAVEDISKIPEQSVLLHACAHNPTGVDPRPEQWKEIATVV  
KKRNLF AFFDMAYQGFASGDGDKDAWAVRHFI EQGINVCLCQSYAKNMGLYGERVGAFTMVCKDADEAKRVESQ  
LKILIRPMYSNPPLNGARIAAAAILNTPDLRKQWLQEVKVMADRIIGMRTQLVSNLKKEGSTHNWQHITDQIGMFCFTG  
LKPEQVERLIKEFSIYMTKDGRISVAGVTSSNVGYLAHAIHQVTK

**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.