

## 32-6773: GOT2 Mouse, Active

**Application :** Functional Assay

**Alternative Name :** Transaminase A, KAT4, KATIV, KAT-4, KAT-IV, Kynurenine Aminotransferase 4.

### Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

GOT2 is a pyridoxal phosphate-dependent enzyme which is found in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2. GOT2 participates in amino acid metabolism and the urea and tricarboxylic acid cycles. Both enzymes are homodimeric and demonstrate close homology.

GOT2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 422 amino acids (30-430 aa) and having a molecular mass of 46.8kDa. GOT2 is fused to a 21 amino acid His tag at N-terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The GOT2 solution (0.5 mg/ml) contains 10% Glycerol and Phosphate Buffered Saline (pH7.4)  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHH SSGLVPRGSH MSSWWTHVEM GPPDPILGVT EAFKRDTNSK  
KMNLGVGAYRDDNGKPYVLP SVRKAEAQIA AKNLDKEYLP IGGLAEFCKA SAELALGENN  
EVLKSGRFVTVQTISGTGAL RVGASFLQRF FKFSRDVFLP KPSWGNHTPI FRDAGMQLQG  
YRYYPKTCGDFDFSGALEDI SKIPEQSVLL LHACAHNPTG VDPRPEQWKE IASVVKKKNL  
FAFFDMAYQGFASGDGDKDA WAVRHFIEQG INVCLCQSYA KNMGLYGERV GAFTVVCKDA  
EEAKRVESQLKILIRPLYSN PPLNGARIAA TILTSPDLRK QWLQEVKGMA DRIISMRTQL  
VSNLKKEGSSHNWQHITDQI GMFCFTGLKP EQVERLTKEF SVYMTKDGRV SVAGVTSGNV GYLAHAHQV  
TK

### Application Note

Specific activity is > 20 units/mg. Measured by the amount of enzyme that converts 1umole of alpha-ketoglutarate to L-Glutamate per minute at pH 8.0 at 25°C.