

---

## Product Data Sheet

---

Product Name: GOT2 Mouse, Active

Cat. No.: GP26153

Batch No.: 1

**Product Data**

Purity &gt;98% Source Escherichia Coli.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms Transaminase A, KAT4, KATIV, KAT-4, KAT-IV, Kynurenine Aminotransferase 4.

Amino Acid Sequence

MGSSHHHHH SSGLVPRGSH MSSWWTHVEM GPPDPILGVT EAFKRDTNSK  
 KMNLGVGAYRDDNGKPYVLP SVRKAEAQIA AKNLDKEYLP IGGLAEFCKA  
 SAELALGENN EVLKSGRFVTVQTISGTGAL RVGASFLQRF FKFSRDVFLP  
 KPSWGNHTPI FRDAGMQLQG YRYYPKTCGFDFSGALEDI SKIPEQSVLL  
 LHACAHNPTG VDPRPEQWKE IASVVKKKNL FAFFDMAYQGFASGDGDKDA  
 WAVRHFIEQG INVCLCQSYA KNMGLYGERV GAFTVVCKDA  
 EEAKRVESQLKILIRPLYSN PPLNGARIAA TILTSPDLRK QWLQEVKGMA  
 DRIISMRTQL VSNLKKEGSSHNWQHITDQI GMFCFTGLKP EQVERLTKEF  
 SVYMTKDGRI SVAGVTSGNV GYLAHAIHQV TK

Formulation The GOT2 solution (0.5 mg/ml) contains 10% Glycerol and Phosphate Buffered Saline (pH7.4)

**Introduction**

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.

**Biological Activity**

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 25C?.

**Stability**

Store at 46vC if entire vial will be used within 2-4 weeks. Store. frozen at -206vC for

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

Store at 4°C, in the dark. The product can be used within 2-3 weeks after receipt, or 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.

### Background

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA