
Product Data Sheet

Product Name: GOT2 Mouse
 Cat. No.: GP21712
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transaminase A; KAT4; KATIV; KAT-4; KAT-IV; Kynurenine Aminotransferase 4.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSSWWTHVEM GPPDPILGVT EAFKRDTNSK KMNLGVGAYR DDNGKPYVLP SVRKAEAQIA AKNLDKEYLP IGGLAEFCKA SAELALGENN EVLKSGRFVT VQTISGTGAL RVGASFLQRF FKFSRDVFLP KPSWGNHTPI FRDAGMQLQG YRYYPKTCG FDFSGALEDI SKIPEQSVLL LHACAHNPTG VDPRPEQWKE IASVVKKKNL FAFFDMAYQG FASGDGDKDA WAVRHFIEQG INVCLCQSYA KNMGLYGERV GAFTVVCKDA EEAKRVESQL KILIRPLYSN PPLNGARIAA TILTSPDLRK QWLQEVKGMA DRIISMRTQL VSNLKKEGSS HNWQHITDQI GMFCFTGLKP EQVERLTKEF SVYMTKDGRI SVAGVTSGNV GYLAHAIHQV.		
Formulation	The GOT2 solution (0.5mg/ml) contains PBS, pH 7.4 and 10% glycerol.		

Introduction

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

Biological Activity

Activity is greater than 20 units/mg, and is defined as the amount of enzyme that converts 1umole of alpha-ketoglutarate to L-Glutamate per minute at pH 8.0 at 256 μ .

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

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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 Recombinant Mouse produced in E.Coli is a single, non-glycosylated polypeptide chain containing 424 amino acids (30-430 a.a.) and having a molecular mass of 46.8kDa. Mouse GOT2 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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