
Product Data Sheet

Product Name: GOT1 Mouse
 Cat. No.: GP21709
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Aspartate aminotransferase; cytoplasmic; cAspAT; Cysteineaminotransferase; cytoplasmic; Cysteine transaminase; cytoplasmic; cCAT; Glutamate oxaloacetate transaminase 1; Transaminase A.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAPPSVF AQVPQAPPVL VFKLTADFRD DPDPRKVNLG VGAYRTDESPWVLPVVRKV EQKIANDNSL NHEYLPILGL AEFRSCASRL VLGDNSPAIR ENRVGGVQSL GGTGALRIGADFLGRWYNGT DNKNTPIYVS SPTWENHNAV FSAAGFKDIR PYCYWDAEKR GLDLQGFLND LENAPEFSIF VLHACAHNPT GTDPTPEQWKQIAAVMQRFF LPPFFDSAYQ GFASGDLEKD AWAIRYFVSE GFELFCAQSF SKNFGLYNER VGNLTVVGKESDSVLRVLSQ MEKIVRITWS NPPAQGARIV AATLSDPELF KEWKGNVKT M ADRILTMRSE LRARLEALKT PGTWSHITEQIGMFSFTGLN PKQVEYLVNE KHIYLLPSGR INMCGLTTKN LDYVATSIHE AVTKIQ.		
Formulation	GOT1 protein solution (0.5mg/ml) containing Phosphatebuffered saline (pH7.4), 10% glycerol and 1mM DTT.		

Introduction

GOT1 is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, which participate in amino acid metabolism and the urea and tricarboxylic acid cycles. Both enzymes are homodimeric and show close homology.

Stability

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GOT1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 436 amino acids (1-413a.a) and having a molecular mass of 48.6kDa. GOT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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