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## Product Data Sheet

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Product Name: GOT2 Human  
 Cat. No.: GP21710  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EC 2.6.1.1; Aspartate aminotransferase 1; Transaminase A; GIG18.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSSSWWTHV EMGPPDPILG VTEAFKRDTN SKKMN LGVGA YRDDNGKPYV LPSVRKAEAQ IAAKNLDKEY LPIGGLAEFC KASAEALALGE NSEVLKSGRF VTVQTISGTG ALRIGASFLQ RFFKFSRDVF LPKPTWGNHT PIFRDAGMQL QGYRYDPKTCGFDFGTGAVE DISKIPEQSV LLLHACAHP TGVDPRPEQW KEIATVVKKR NLFAFFDMAY QGFASGDGDK DAWAVRHFIE QGINVCLCQS YAKNMGLYGE RVGAFTMVCK DADEAKRVES QLKILIRPMY SNPPLNGARI AAAILNTPDL RKQWLQEVKV MADRIIGMRT QLVSNLKKEG		
Formulation	The GOT2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

### Introduction

GOT2 is a pyridoxal phosphate-dependent enzyme which is found in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2. GOT2 is involved in amino acid metabolism and the urea and tricarboxylic acid cycles. The 2 enzymes are homodimeric and demonstrate 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% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

GOT2 Recombinant Human 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 47kDa.

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

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The GOT2 fused to a 23 amino acid his tag at N-terminus and is purified by proprietary chromatographic techniques.

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