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## Product Data Sheet

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Product Name: Ornithine Aminotransferase Human  
 Cat. No.: GP22036  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DKFZp781A11155; HOGA; OATASE; Ornithine aminotransferase mitochondrial; Ornithine--oxo-acid aminotransferase; OAT; OKT; GACR.		
Amino Acid Sequence	MTVQGPPTSD DIFEREYKYG AHNYHPLPVA LERGKGIYLW DVEGRKYFDF LSSYSAVNQG HCHPKIVNAL KSQVDKLTLT SRAFYNNVLG EYEEYITKLF NYHKVLPMT GVEAGETACK LARKWGYTVK GIQKYKAKIV AAGNFWGRT LSAISSSTDP TSYDGFPGPFM PGFDIIPYND LPALERALQD PNVAAFMVEP IQGEAGVVVP DPGYLMGVRE LCTRHQVLFI ADEIQTGLAR TGRWLAVDYE NVRPDIVLLG KALSGGLYPV SAVLCDDDIM LTIKPGEHGS TYGGNPLGCR VAIAALEVLE EENLAENADK LGIILRNELM KLPSDVVTAV RGKGLLNAIV IKETKDWDWAU KVCLRLRDNG LLAKPTHGDI IRFAPPLVIK EDELRESIEI INKTILSF.		
Formulation	The Ornithine Aminotransferase protein solution contains 20mM Tris, pH-8, and 10% glycerol.		

### Introduction

Ornithine Aminotransferase is a mitochondrial enzyme which is an important factor that converts arginine and ornithine into the major excitatory and inhibitory neurotransmitters glutamate and GABA. Ornithine Aminotransferase mutations result in a deficiency that cause the autosomal recessive eye disease Gyrate Atrophy.

### 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

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

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

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Ornithine Aminotransferase Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 408 amino acids (33-439 a.a.) and having a molecular wieght of 45.2kDa.The Ornithine Aminotransferase is purified by proprietary chromatographic techniques.

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