

## Ornithine Aminotransferase Human

**Description:** 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 weight of 45.2kDa. The Ornithine Aminotransferase is purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-479

For research use only.

**Synonyms:** DKFZp781A11155, HOGA, OATASE, Ornithine aminotransferase mitochondrial, Ornithine--oxo-acid aminotransferase, OAT, OKT, GACR.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MTVQGPPTSD DIFEREYKYG AHNYHPLPVA LERGKGIYLW  
DVEGRKYFDF LSSYSANVQG HCHPKIVNAL KSQVDKLTLT SRAFYNNVLG EYEEYITKLF  
NYHKVLPMT GVEAGETACK LARKWGYTVK GIQKYKAKIVAAGNFWGRT LSAISSSTDP  
TSYDGFQPFM PGFDIIPYND LPALERALQD PNVA AFMVEP IQGEAGVVVP DPGYLMGVRE  
LCTRHQVLFI ADEI

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

The Ornithine Aminotransferase protein solution contains 20mM Tris, pH-8, and 10% glycerol.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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