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Ornithine Aminotransferase Human

Catalog #:ENPS-479

For research use only.

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 wieght of 45.2kDa.The Ornithine Aminotransferase is purified by proprietary chromatographic techniques.

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 LSSYSAVNQG HCHPKIVNAL KSQVDKLTLT SRAFYNNVLG EYEEYITKLF NYHKVLPMNT GVEAGETACK LARKWGYTVK GIQKYKAKIVAAGNFWGRT LSAISSSTDP TSYDGFGPFM PGFDIIPYND LPALERALQD PNVAAFMVEP 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 drμgs, 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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