

Product datasheet

Recombinant Human ornithine aminotransferase protein ab92933

1 Image

Description

Product name	Recombinant Human ornithine aminotransferase protein
Purity	> 90 % SDS-PAGE. ab92933 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>P04181</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MTVQGPPTSD DIFEREYKYG AHNYHPLPVA LERGKGYLW DVEGRKYDFD LSSYSVAVNQG HCHPKVINAL KSQVDKLTLT SRAFYNVVLG EYEEYITKLF NYHKVLPMT GVEAGETACK LARKWGYTVK GIQKYKAKIV FAAGNFWGRT LSAISSSTDP TSYDGFDPFM PGFDIIPYND LPALERALQD PNVAAFMVEP IQGEAGVVVP DPGYLMGVRE LCTRHQVLFIADEIQTGLAR TGRWLAVDYE NVRPDMVLLG KALSGGLYPV SAVLCDDDIM LTIKPGEHGS TYGGNPLGCR VAIAALEVLE EENLAENADK LGIILRNELM KLPSDVVTAV RGKGLLNAV IKETKDWDWA KVCLRLRDNG LLAKPTHGDI IRFAPPLVIK EDELRESIEI INKTILSF</p>
Amino acids	33 to 439

Specifications

Our **Abpromise guarantee** covers the use of **ab92933** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

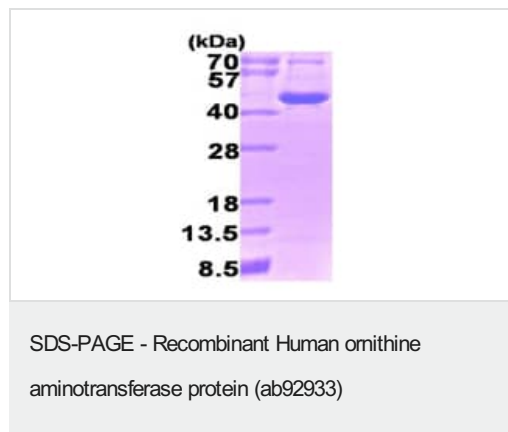
Relevance

Ornithine aminotransferase (OAT) is a key mitochondrial enzyme in the pathway that converts arginine and ornithine into the major excitatory and inhibitory neurotransmitters glutamate and GABA. Mutations that result in a deficiency of this enzyme cause the autosomal recessive eye disease Gyrate Atrophy. OAT has also been linked with prostate cancer and alternatively activated macrophages

Cellular localization

Mitochondrion matrix.

Images



ab92933, staining ornithine aminotransferase protein by 15% SDS-PAGE (3 µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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