abcam

Product datasheet

Recombinant Mouse Liver Arginase protein (His tag) ab226884

3 Images

Description

Product name Recombinant Mouse Liver Arginase protein (His tag)

Purity > 90 % SDS-PAGE.

Expression system Yeast
Accession Q61176

<u>_____</u>

Protein length Full length protein

Animal free No

Nature Recombinant

Species Mouse

Sequence MSSKPKSLEIIGAPFSKGQPRGGVEKGPAALRKAGLLEKL

KETEYDVRDH

GDLAFVDVPNDSSFQIVKNPRSVGKANEELAGVVAEVQK

NGRVSVVLGGD

HSLAVGSISGHARVHPDLCVIWVDAHTDINTPLTTSSGNLH

GQPVSFLLK

ELKGKFPDVPGFSWVTPCISAKDIVYIGLRDVDPGEHYIIKT

LGIKYFSM

TEVDKLGIGKVMEETFSYLLGRKKRPIHLSFDVDGLDPAFT

PATGTPVLG

GLSYREGLYITEEIYKTGLLSGLDIMEVNPTLGKTAEEVKST

VNTAVALT LACFGTQREGNHKPGTDYLKPPK

Predicted molecular weight 37 kDa including tags

Amino acids 1 to 323

Tags His tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of ab226884 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

1

Mass Spectrometry

Mass spectrometry

LC-MS/MS

Form

Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.2

Constituents: 50% Glycerol (glycerin, glycerine), Tris buffer

General Info

Pathway Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.

Involvement in disease Defects in ARG1 are the cause of argininemia (ARGIN) [MIM:207800]; also known as

hyperargininemia. Argininemia is a rare autosomal recessive disorder of the urea cycle. Arginine is elevated in the blood and cerebrospinal fluid, and periodic hyperammonemia occurs. Clinical manifestations include developmental delay, seizures, mental retardation, hypotonia, ataxia,

progressive spastic quadriplegia.

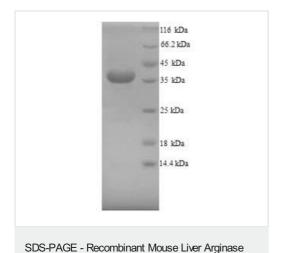
Sequence similarities

Belongs to the arginase family.

Cellular localization

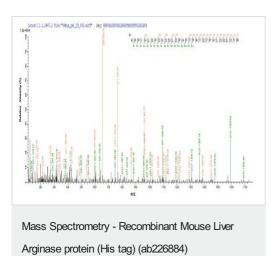
Cytoplasm.

Images

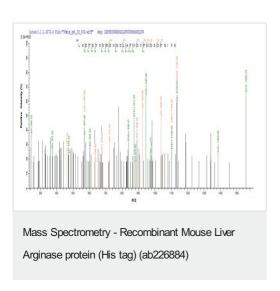


protein (His tag) (ab226884)

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis of ab226884 with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS analysis result of ab226884 could indicate that this peptide derived from Yeast-expressed Mus musculus (Mouse) Liver Arginase.



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS analysis result of ab226884 could indicate that this peptide derived from Yeast-expressed Mus musculus (Mouse) Liver Arginase.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- · We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

• Guarantee only valid for products bought direct from Abcam or one of our authorized distributors