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
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

	Mass Spectrometry
Mass spectrometry	LC-MS/MS
Form	Liquid

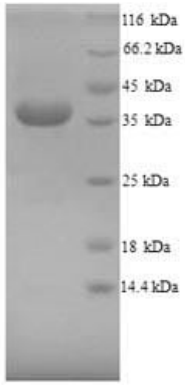
Preparation and Storage

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

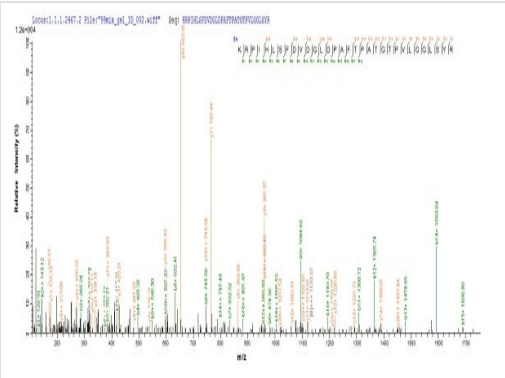
Pathway	Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.
Involvement in disease	Defects in ARG1 are the cause of argininemia (ARGIN) [MIM:207800]; also known as hyperargininemia. Argininemia is a rare autosomal recessive disorder of the urea cycle. Arginine is elevated 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



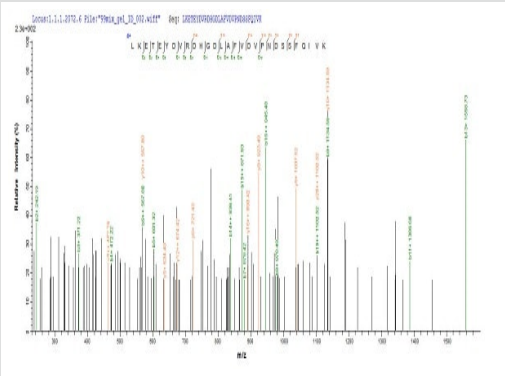
SDS-PAGE - Recombinant Mouse Liver Arginase protein (His tag) (ab226884)

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



Mass Spectrometry - Recombinant Mouse Liver Arginase protein (His tag) (ab226884)

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.



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Terms and conditions

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