abcam

Product datasheet

Recombinant Human Liver Arginase protein (His tag) ab220545

1 Image

Description

Product name	Recombinant Human Liver Arginase protein (His tag)
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	**P05089**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSAKSRTIGIIGAPFSKGQPRGGVEEGPTVLRKAGLLEKLK EQECDVKDY GDLPFADIPNDSPFQIVKNPRSVGKASEQLAGKVAEVKK NGRISLVLGGD HSLAIGSISGHARVHPDLGVIWVDAHTDINTPLTTTSGNLHG QPVSFLLK ELKGKIPDVPGFSWVTPCISAKDIVYIGLRDVDPGEHYILKT LGIKYFSM TEVDRLGIGKVMEETLSYLLGRKKRPIHLSFDVDGLDPSFT PATGTPVVG GLTYREGLYITEEIYKTGLLSGLDIMEVNPSLGKTPEEVTRT VNTAVAIT LACFGLAREGNHKPIDYLNPPK
Predicted molecular weight	36 kDa including tags
Amino acids	1 to 322
Tags	His tag C-Terminus
Additional sequence information	(NP_000036).

Specifications

Our **Abpromise guarantee** covers the use of **ab220545** 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	Lyophilized

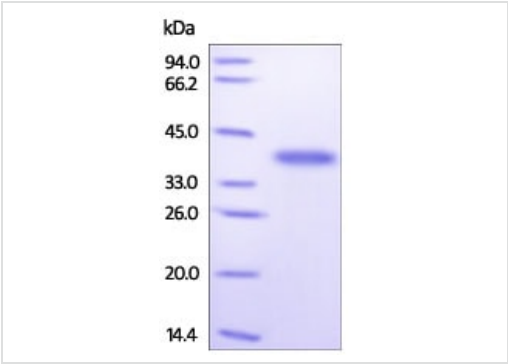
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.4 Constituents: 0.61% Tris, 5% Trehalose, 0.87% Sodium chloride Lyophilized from 0.22 µm filtered solution.
Reconstitution	Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

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 Human Liver Arginase protein (His tag) (ab220545)

SDS-PAGE analysis of ab220545 stained overnight with Coomassie Blue.

The reduced protein migrates as 36 kDa in SDS-PAGE.

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