abcam

Product datasheet

Recombinant Human DNAJC19 protein ab104153

1 Image

Description

Product name	Recombinant Human DNAJC19 protein
Purity	> 90 % SDS-PAGE. purified by using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.
Expression system	Escherichia coli
Accession	Q96DA6
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSM**GRY VLQAMKHMEP QVKQVFQSLP KSAFSGGYYR GGFEPKMTKR EAALILGVSP TANKGKIRDA HRRIMLLNHP DKGGSPYIAA KINEAKDLLE GQAKK
Predicted molecular weight	15 kDa including tags
Amino acids	19 to 116
Tags	His tag N-Terminus , DDDDK tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab104153** in the following tested applications.

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

Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

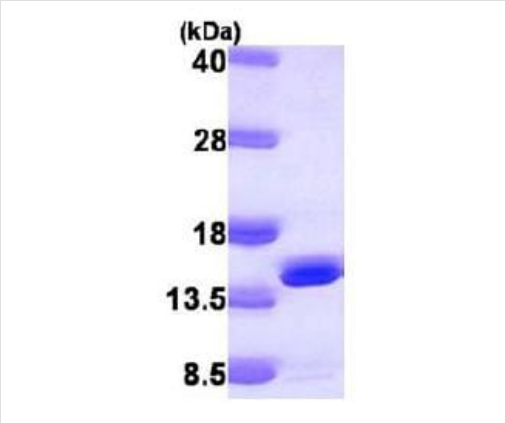
80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 0.0308% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function	Probable component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. May act as a co-chaperone that stimulate the ATP-dependent activity.
Tissue specificity	Ubiquitously expressed.
Involvement in disease	Defects in DNAJC19 are the cause of 3-methylglutaconic aciduria type 5 (MGA5) [MIM:610198]; also known as dilated cardiomyopathy with ataxia (DCMA). MGA5 is an autosomal recessive disorder characterized by early-onset dilated cardiomyopathy, growth failure, cerebellar ataxia causing significant motor delays, testicular dysgenesis, growth failure, and significant increases in urine organic acids, particularly 3-methylglutaconic acid and 3-methylglutaric acid.
Sequence similarities	Belongs to the TIM14 family. Contains 1 J domain.
Cellular localization	Mitochondrion inner membrane.

Images



SDS-PAGE - Recombinant Human DNAJC19 protein (ab104153)

15% SDS-PAGE, 3ug of ab104153 loaded

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

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