abcam

Product datasheet

Recombinant Human MCEE protein ab99864

1 Image

Overview

Product name	Recombinant Human MCEE protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession	Q96PE7
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMQVTGSVWNLGRLNHVAIAVPDLEKAAAFY KNILGAQVSEAVPLPEHGVSVVFVNLGNTKMELLHPLGRDSPIAGFLQKN KAGGMHHICIEVDNINAAVMDLKKKKIRSLSEEVKIGAHGKPVIFLHPKD CGGVLVELEQA
Molecular weight	17 kDa including tags
Amino acids	37 to 176
Tags	His tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab99864** 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	MALDI-TOF
Purity	> 90 % SDS-PAGE. ab99864 is purified using conventional chromatography techniques.
Form	Liquid

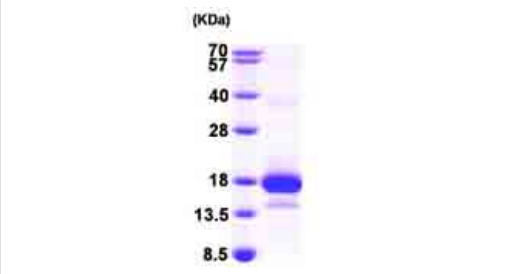
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 10% Glycerol, 0.2M Sodium chloride, 20mM Tris HCl, 1mM DTT, 0.1mM PMSF, pH 8.0

General Info

Involvement in disease	Defects in MCEE are a cause of methylmalonyl-CoA epimerase deficiency (MCEE deficiency) [MIM:251120]; also known as methylmalonyl-CoA racemase deficiency or methylmalonic aciduria type 3. MCEE deficiency is an autosomal recessive inborn error of amino acid metabolism, involving valine, threonine, isoleucine and methionine. This organic aciduria may present in the neonatal period with life-threatening metabolic acidosis, hyperammonemia, feeding difficulties, pancytopenia and coma.
Sequence similarities	Belongs to the glyoxalase I family.
Cellular localization	Mitochondrion.

Images



SDS-PAGE - MCEE protein (ab99864)

15% SDS-PAGE showing ab99864 (3µg).

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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