

Product datasheet

Recombinant Human MCEE protein ab99864

1 Image

Overview

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<b>Product name</b>	Recombinant Human MCEE protein
<b>Protein length</b>	Full length protein

Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli

Amino Acid Sequence

<b>Accession</b>	<a href="#">Q96PE7</a>
<b>Species</b>	Human
<b>Sequence</b>	MGSSHHHHHHSSGLVPRGSHMQVTGSVWNLGRLNHVAIAVPDLEKAAAFY KNILGAQVSEAVPLPEHGVSVVFVNLGNTKMELLHPLGRDSPIAGFLQKN KAGGMHHICIEVDNINAAVMDLKKKKIRSLSEEVKIGAHGKPVIFLHPKD CGGVLVELEQA
<b>Molecular weight</b>	17 kDa including tags
<b>Amino acids</b>	37 to 176
<b>Tags</b>	His tag N-Terminus

Specifications

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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.

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Purity</b>	> 90 % SDS-PAGE. ab99864 is purified using conventional chromatography techniques.
<b>Form</b>	Liquid

Preparation and Storage

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## 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.

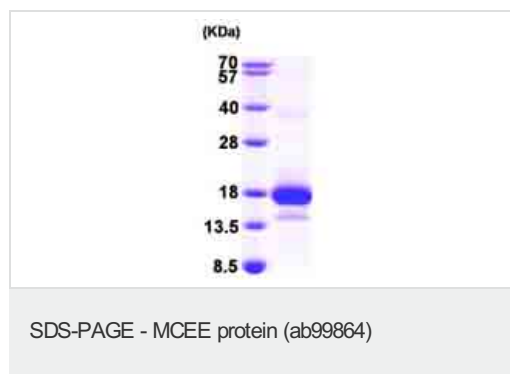
### Sequence similarities

Belongs to the glyoxalase I family.

### Cellular localization

Mitochondrion.

## Images



15% SDS-PAGE showing ab99864 (3µg).

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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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 <http://www.abcam.com/abpromise> or contact our technical team.

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