

Datasheet for ABIN7505580

MCEE Protein (AA 37-176) (His tag)



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Overview

Quantity:	100 µg
Target:	MCEE
Protein Characteristics:	AA 37-176
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCEE protein is labelled with His tag.

Product Details

Sequence:	Gln37-Ala176
Characteristics:	Recombinant Human Methylmalonyl-CoA epimerase is produced by our Mammalian expression system and the target gene encoding Gln37-Ala176 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	<1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	MCEE
Alternative Name:	MCEE (MCEE Products)
Background:	Abbreviation: MCEE Target Synonym: Methylmalonyl-CoA epimerase,mitochondrial,DL-methylmalonyl-CoA

Target Details

racemase

Background: Methylmalonyl-CoA epimerase, mitochondrial(MCEE)is an enzyme which belongs to the glyoxalase I family. It converts (S)-methylmalonyl-CoA to the (R) form, catalyses the following chemical reaction: (R)-methylmalonyl-CoA (S)-methylmalonyl-CoA. It plays an important role in the catabolism of fatty acids with odd-length carbon chains. This protein deficiency is an autosomal recessive inborn error of AA metabolism, involving valine, threonine, isoleucine and methionine. This organic aciduria can appear in the neonatal period with life-threatening metabolic acidosis, hyperammonemia, feeding difficulties, pancytopenia and coma.

Molecular Weight: Calculated MW: 16.0 kDa
Observed MW: 18-20 kDa

UniProt: [Q96PE7](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4., 5 % trehalose, 5 % mannitol, 0.01 % tween-80.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months