abcam

Product datasheet

Recombinant Human MMACHC/CblC protein ab126674

1 Image

Description

Product name	Recombinant Human MMACHC/CblC protein
Purity	> 90 % SDS-PAGE. Purified using conventional chromatography techniques
Expression system	Escherichia coli
Accession	Q9Y4U1
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMEPKVA ELKQKIEDTL CPFGFEVYPF QVAWYNELLP PAFHLPLPGP TLAFLVLSTP AMFDRALKPF LQSCHLRMLT DPVDQCVAYH LGRVRESLPE LQIEIIADYE VHPNRRPKIL AQTAAHVAGA AYYYQRQDVE ADPWGNQRIS GVCIHPRFGG WFAIRGVVLL PGIEVPDLPP RKPHDCVPTR ADRIALLEGF NFHWRDWTYR DAVTPQERYS EEQKAYFSTP PAQRLALLGL AQPSEKPSSP SPDLPFTTPA PKKPGNPSRA RSWLSPRVSP PASPGP
Predicted molecular weight	34 kDa including tags
Amino acids	1 to 282
Tags	His tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab126674** 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
Additional notes	This product was previously labelled as MMACHC

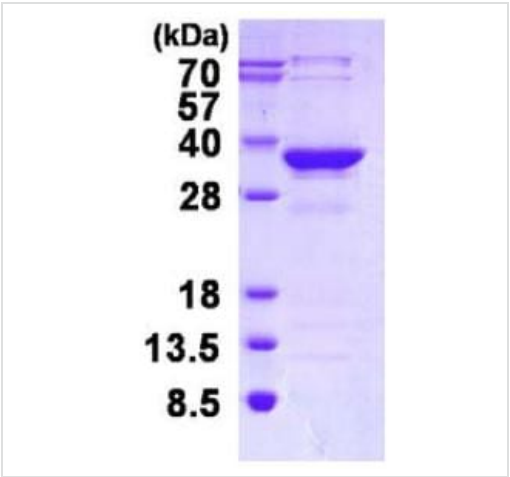
Preparation and Storage

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: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

General Info

Function	May be involved in the binding and intracellular trafficking of cobalamin (vitamin B12).
Tissue specificity	Widely expressed. Expressed at higher level in fetal liver. Also expressed in spleen, lymph node, thymus and bone marrow. Weakly or not expressed in peripheral blood leukocytes.
Pathway	Cofactor biosynthesis; adenosylcobalamin biosynthesis.
Involvement in disease	Defects in MMACHC are the cause of methylmalonic aciduria and homocystinuria type cblC (MMACHC) [MIM:277400]. MMACHC is a disorder of cobalamin metabolism characterized by decreased levels of the coenzymes adenosylcobalamin (AdoCbl) and methylcobalamin (MeCbl). Affected individuals may have developmental, hematologic, neurologic, metabolic, ophthalmologic, and dermatologic clinical findings. Although considered a disease of infancy or childhood, some individuals develop symptoms in adulthood.
Sequence similarities	Belongs to the MMACHC family.

Images



SDS-PAGE - Recombinant Human MMACHC/CblC protein (ab126674)

15% SDS-PAGE analysis of ab126674 (3 µg)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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