

Recombinant Full Length Human MMACHC Protein, GST-tagged

Cat. No. MMACHC-6386HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MMACHC full-length ORF (AAH06122.3, 1 a.a. - 225 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	225 amino acids
Description	The exact function of the protein encoded by this gene is not known, however, its C-terminal region shows similarity to TonB, a bacterial protein involved in energy transduction for cobalamin (vitamin B12) uptake. Hence, it is postulated that this protein may have a role in the binding and intracellular trafficking of cobalamin. Mutations in this gene are associated with methylmalonic aciduria and homocystinuria type cblC. [provided by RefSeq, Oct 2009]
Molecular Mass	51.7 kDa
AA Sequence	MFDRA LKPF LQSCHLRMLTDPVDQCVAYHLGRVRESLP ELQIEIIADYEVHPNRRPKI LAQTAAHVAGAAAYYYQRQDVEADPWGNQRISGVCIHPRFGGWFAIRGVVLLPGIEV PDLPPRKPHDCVPTRADRIALLEGFNFWRDWYRDAVTPQERYSEEQKAYFSTPP AQRLALLGLAQPSEKPSSPSPDLPFTTPAPKKPGNPSRARSWLSPRVSPASP GP
Applications	Antibody Production

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	Functional Study Compound Screening
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	MMACHC methylmalonic aciduria (cobalamin deficiency) cblC type, with homocystinuria [Homo sapiens]
Official Symbol	MMACHC
Synonyms	MMACHC; methylmalonic aciduria (cobalamin deficiency) cblC type, with homocystinuria; methylmalonic aciduria and homocystinuria type C protein; cblC; DKFZP564I122; FLJ25671; RP11-291L19.3; DKFZp564I122;
Gene ID	25974
mRNA Refseq	NM_015506
Protein Refseq	NP_056321
MIM	609831
UniProt ID	Q9Y4U1

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