

Recombinant Human MMACHC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MMACHC-2311H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MMACHC MS Standard C13 and N15-labeled recombinant protein (NP_056321) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	31.5 kDa
AA Sequence	MEPKVAELKQKIEDTLCPFGEVYPFQVAWYNELLPPAFHLPLPGPTLAFLVLSTPA MFDRAKLPFLQSCHLRMLTDPVDQCVAYHLGRVRESLPQLQIEIADYEVHPNRRPKI LAQTAAHVAGAAYYYQRQDVEADPWGNQRISGVCIHPRFGGWFAIRGVVLLPGIEV PDLPPRKPHDCVPTRADRIALLEGFNFHWRDWTYRDAVTPQERYSEEQKAYFSTPP AQLRALLGLAQPSEKPSSPSPDLPFTTPAPKKPGNPSRARSWLSPRVSPASPSPGPT RTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

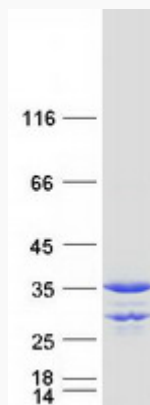
GENE INFORMATION

Gene Name	MMACHC metabolism of cobalamin associated C [Homo sapiens (human)]
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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SDS-PAGE

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