

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

Cat. No. MMADHC-3429H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MMADHC MS Standard C13 and N15-labeled recombinant protein (NP_056517) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a mitochondrial protein that is involved in an early step of vitamin B12 metabolism. Vitamin B12 (cobalamin) is essential for normal development and survival in humans. Mutations in this gene cause methylmalonic aciduria and homocystinuria type cblD (MMADHC), a disorder of cobalamin metabolism that is characterized by decreased levels of the coenzymes adenosylcobalamin and methylcobalamin. Pseudogenes have been identified on chromosomes 11 and X.
Molecular Mass	32.9 kDa
AA Sequence	MANVLCNRARLVSYLPGFCSLVKR VVNPKAFSTAGSSGSDESHVAAAPPDICSRTV WPDETMGPFQDQRFQLPGNIGFDCHLNGTASQKSLVHKTLDPVLAEP LSSER HEFVMAQYVNEFQGNDA PVEQEINSAETYFESARVECAIQTCELLRKDFESLFPEV ANGKLMILTVTQTKNDMTVWSEEVEIEREV LLEKFINGAKEICYALRAEGYWADFID PSSGLAFFGPYTNNTLFETDERYRHLGFSVDDLGCCKVIRHSLWGTHVVVGSIFTNA TPDSHIMKKLSGNTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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.

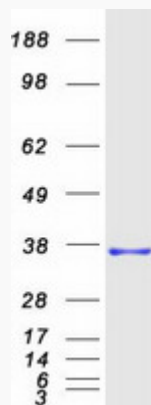
GENE INFORMATION

Gene Name	MMADHC metabolism of cobalamin associated D [Homo sapiens (human)]
Official Symbol	MMADHC
Synonyms	MMADHC; methylmalonic aciduria (cobalamin deficiency) cblD type, with homocystinuria; C2orf25, chromosome 2 open reading frame 25; methylmalonic aciduria and homocystinuria type D protein, mitochondrial; cblD; CL25022; protein C2orf25, mitochondrial; C2orf25;
Gene ID	27249
mRNA Refseq	NM_015702
Protein Refseq	NP_056517
MIM	611935
UniProt ID	Q9H3L0

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SDS-PAGE

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