

Recombinant Human MMADHC, His-tagged

Cat. No. MMADHC-5033H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MMADHC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	MMADHC is 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT.
Molecular Mass	31 kDa (281aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSDESHVA AAPPDICSRT VWPDETMGPF GPQDQRFQLP GNIGFDCHLN GTASQKKSLV HKTLDPVLA E PLSSERHEFV MAQYVNEFQG NDAPVEQEIN SAETYFESAR VECAIQTCP E LLRKDFESLF PEVANGKLM I LTVTQKTKND MTVWSEEVEI EREVLLEKFI NGAKEICYAL RAEGYWADFI DPSSGLAFFG PYTNNTLFET DERYRHLGFS VDDLGCCKVI RHSLWGHV VV VGSIFTNATP DSHIMKKLSG N

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	MMADHC methylmalonic aciduria (cobalamin deficiency) cbID type, with homocystinuria [Homo sapiens]
Official Symbol	MMADHC
Synonyms	MMADHC; methylmalonic aciduria (cobalamin deficiency) cbID type, with homocystinuria; C2orf25, chromosome 2 open reading frame 25; methylmalonic aciduria and homocystinuria type D protein, mitochondrial; cbID; 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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Chromosome	2q23
Location	

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