

Recombinant Full Length Human MUT Protein, GST-tagged

Cat. No. MUT-6579HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MUT full-length ORF (AAH16282, 1 a.a. - 750 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	750 amino acids
Description	This gene encodes the mitochondrial enzyme methylmalonyl Coenzyme A mutase. In humans, the product of this gene is a vitamin B12-dependent enzyme which catalyzes the isomerization of methylmalonyl-CoA to succinyl-CoA, while in other species this enzyme may have different functions. Mutations in this gene may lead to various types of methylmalonic aciduria. [provided by RefSeq]
Molecular Mass	108.24 kDa
AA Sequence	MLRAKNQLFLLSPHYLRQVKESGSRLIQQRLLHQQQLHPEWAALAKKQLKGKNP EDLIWHTPEGISIKPLYSKGDTMDLPEELPGVKPFTRGPYPTMYTFRPWITRQYAGF STVEESNKFYKDNIAKAGQQGLSVAFDLATHRGYDSNPRVRGDVGMAGVAIDTVED TKILFDGIPLEKMSVSMTMNGAVIPVLANFIVTGEEQGVPEKLTGTIQNDILKEFMVR NTYIFPPEPSMKIADIFEYTAKHMPKFNSISISGYHMQEAGADAILELAYTLADGLEYS RTGLQAGLTIDEFAPRLSFFWGIGMNFYMEIAKMRAGRRLWAHLIEKMFQPKNSKSL LLRAHCQTSGWSLTEQDPYNNIVRTAIEAMAAVFGGTQSLHTNSFDEALGLPTVKSA RIARNTQIIIQEESGIPKVADPWGGSYMMECLTNDVYDAALKLINEIEEMGGMAKAVA

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EGIPKLRIEECAARRQARIDSGSEVIVGVNKYQLEKEDTVEVLIDNTSVRNRQIEKLK
KIKSSRDQALAERCLAALTECAASGDGNILALAVDASRARCTVGEITDALKKVFGHEK
ANDRMVSGAYRQEFGESKEITSAIKRVHKFMEREGRRPRLLVAKMGQDGHDRGAK
VIATGFADLGFVDIGPLFQTPREVAQQAVDADVHAVGVNTLAAGHKTLVPELIKELN
SLGRPDILVMCGGVIPPQDYEFLFEVGVSNVFGPGTRIPKAAVQVLDDIEKCLEKKQ
QSV

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

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

MUT methylmalonyl CoA mutase [Homo sapiens]

Official Symbol

MUT

Synonyms

MUT; methylmalonyl CoA mutase; methylmalonyl Coenzyme A mutase;
methylmalonyl-CoA mutase, mitochondrial; methylmalonyl-CoA isomerase; MCM;

Gene ID

4594

mRNA Refseq

NM_000255

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Protein Refseq	NP_000246
MIM	609058
UniProt ID	P22033

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