

Recombinant Human MUT protein, His & T7-tagged

Cat. No. MUT-1678H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MUT aa. (Val510~Ser749 (Accession # P22033)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val510~Ser749
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	8.3

GENE INFORMATION

Gene Name	MUT methylmalonyl-CoA mutase [Homo sapiens (human)]
Official Symbol	MUT
Synonyms	MUT; methylmalonyl-CoA mutase; MCM; methylmalonyl-CoA mutase, mitochondrial; methylmalonyl Coenzyme A mutase; methylmalonyl-CoA isomerase; mutant methylmalonyl CoA mutase; truncated methylmalonyl CoA mutase
Gene ID	4594
mRNA Refseq	NM_000255.3
Protein Refseq	NP_000246.2

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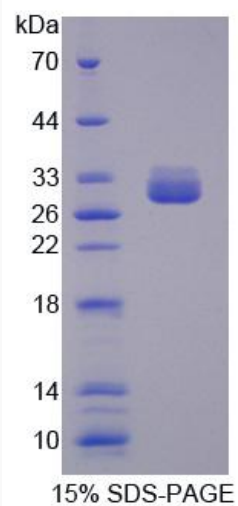
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UniProt ID

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SDS-PAGE

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