Human MMUT Knockdown Cell Lysate

Cat. No. MMUT-372HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated MMUT Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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	Cell-Tissue Lysis buffer
Molecular Mass	83 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg MMUT KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	leucine and isoleucine degradation, Metabolic pathways, Propanoate metabolism, Valine
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	MMUT methylmalonyl-CoA mutase [Homo sapiens (human)]
Official Symbol	MMUT
Synonyms	MMUT; methylmalonyl-CoA mutase; MCM; MUT; methylmalonyl-CoA mutase, mitochondrial; methylmalonyl Coenzyme A mutase; methylmalonyl-CoA isomerase; methylmalonyl-CoA mutase c.*192delA; methylmalonyl-CoA mutase c.*51C>G; methylmalonyl-CoA mutase variant c.1495G>A; methylmalonyl-CoA mutase variant c.2011A>G; methylmalonyl-CoA mutase variant c.2150G>T; methylmalonyl-CoA mutase variant c.322C>T; methylmalonyl-CoA mutase variant c.613_615delGAA; methylmalonyl-CoA mutase variant c.636G>A; methylmalonyl-CoA mutase variant c.643G>A; mutant methylmalonyl CoA mutase; EC 5.4.99.2
Gene ID	4594
mRNA Refseq	NM_000255
Protein Refseq	NP_000246

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MIM	609058
UniProt ID	P22033

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