Recombinant Human MTCH2 Protein, His-tagged

Cat. No. MTCH2-2459H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MTCH2 Protein (Gln29-Gly174) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln29-Gly174
Description	This gene encodes a member of the SLC25 family of nuclear-encoded transporters that are localized in the inner mitochondrial membrane. Members of this superfamily are involved in many metabolic pathways and cell functions. Genome-wide association studies in human have identified single-nucleotide polymorphisms in several loci associated with obesity. This gene is one such locus, which is highly expressed in white adipose tissue and adipocytes, and thought to play a regulatory role in adipocyte differentiation and biology. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A recent study showed this gene to be an authentic stop codon readthrough target that can produce two isoforms from the same mRNA by use of alternative in-frame translation termination codons.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.8 kDa Accurate Molecular Mass: 20 kDa

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Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	MTCH2 mitochondrial carrier 2 [Homo sapiens (human)]
Official Symbol	MTCH2
Synonyms	MTCH2; mitochondrial carrier 2; mitochondrial carrier homolog 2 (C. elegans); mitochondrial carrier homolog 2; SLC25A50; solute carrier family 25; member 50; 2310034D24Rik; met-induced mitochondrial protein; solute carrier family 25, member 50; MIMP; HSPC032;
Gene ID	23788

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mRNA Refseq	NM_014342
Protein Refseq	NP_055157
MIM	613221
UniProt ID	Q9Y6C9

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