

Recombinant Full Length Human MTCH2 Protein, GST-tagged

Cat. No. MTCH2-6483HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MTCH2 full-length ORF (NP_055157.1, 1 a.a. - 303 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	303 amino acids
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, and that its mRNA can give rise to an additional C-terminally extended isoform by use of an alternative in-frame translation termination codon. [provided by RefSeq, Nov 2015]
Molecular Mass	59.7 kDa
AA Sequence	MADAASQVLLGSGLTILSQPLMYVKVLIQVGYEPLPPTIGRNIFGRQVCQLPGLFSYA QHIASIDGRRGLFTGLTPRLCSGVLGTVVHGKVLQHYQESDKGEELGPGNVQKEVS

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SSFDHVIKETTREMIARSAATLITHPFHVITLRSMVQFIGRESKYCGLCDSIITIYREEGI
 LGFFAGLVPRLLGDILSLWLCNSLAYLVNTYALDSGVSTMNEMKSYSQAVTGFFASM
 LTYPFVLVSNLMAVNNCGLAGGCPPYSPIYTSWIDCWCMLQKEGNMSRGNSLFFRK
 VPFGKTYCCDLKMLI

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 [MTCH2 mitochondrial carrier 2 \[Homo sapiens \]](#)

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](#)

mRNA Refseq [NM_014342](#)

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Protein Refseq	NP_055157
MIM	613221
UniProt ID	Q9Y6C9

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