

Recombinant Human MCU Protein, GST-tagged

Cat. No. MCU-4505H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MCU full-length ORF (NP_612366.1, 1 a.a. - 351 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a calcium transporter that localizes to the mitochondrial inner membrane. The encoded protein interacts with mitochondrial calcium uptake 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]
Molecular Mass	66.3 kDa
AA Sequence	MAAAAGRSLLLLLSSRGGGGGGAGGCGALTAGCFGLGVSRHRQQQHHRTVHQR IASWQNLGAVYCSTVVPSSDDTVVYQNGLPVISVRLPSRRERCQFTLKPISDSVGVF LRQLQEEDRGIDRVAIYSPDGVRVAASTGIDLLLLDDFKLVINDLTYHVRPPKRDLLSH ENAATLNDVKTLVQQLYTTLCLIEQHQLNKERELIERLEDLKEQLAPLEKVRIEISRKAE KRTTLVLWGGLAYMATQFGILARLTWWEYSWDIMEPVITYFYGSAMAMYAYFVMT RQEYVYPEARDRQYLLFFHKGAKKSRFDLEKYNQLKDAIAQAEMDLKRLRDPLQVH LPLRQIGEKD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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 45-1 Ramsey Road, Shirley, NY 11967, USA

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

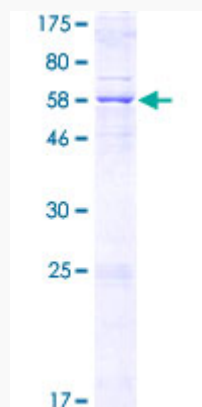
Gene Name	MCU mitochondrial calcium uniporter [Homo sapiens]
Official Symbol	MCU
Synonyms	C10orf42; CCDC109A; MCU; mitochondrial calcium uniporter
Gene ID	90550
mRNA Refseq	NM_138357
Protein Refseq	NP_612366
MIM	614197
UniProt ID	Q8NE86

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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