

# Recombinant Full Length Human MCU Protein, GST-tagged

**Cat. No.** MCU-6098HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Human MCU full-length ORF ( NP_612366.1, 1 a.a. - 351 a.a.) recombinant protein with GST-tag at N-terminal.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | In Vitro Cell Free System   |
| <b>ProteinLength</b>    | 351 amino acids   |
| <b>Description</b>      | 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]   |
| <b>Molecular Mass</b>   | 66.3 kDa  |
| <b>AA Sequence</b>      | <p>MAAAAGRLLLLLSSRGGGGGGAGGCGALTAGCFPLGVSRHRQQHHRTVHQR<br/> IASWQNLGAVYCSTVVPSSDDVTVVYQNGLPVISVRLPSRRERCQFTLKPISDSVGVF<br/> LRQLQEEDRGIDRVAIYSPDGVRVAASTGIDLDDDFKLVLINDLTYHVRPPKRDLLSH<br/> ENAATLNDVKTLVQQLYTTLCIEQHQLNKERELIERLEDLKEQLAPLEKVRIEISRKAE<br/> KRTTLVLWGGLAYMATQFGILARLTWWEYSWDIMEPVTYFYGSAMAMYAYFVMT<br/> RQEYVYPEARDRQYLLFFHKGAKKSRFDLEKYNQLKDAIAQAEMDLKRLRDPLQVH<br/> LPLRQIGEKD</p> |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay   |

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Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

|                       |  |
|-----------------------|--|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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

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