

Product datasheet for **SC217209**

Mitofusin 2 (MFN2) (NM_001127660) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Mitofusin 2 (MFN2) (NM_001127660) Human 3' UTR Clone
Symbol:	Mitofusin 2
Synonyms:	CMT2A; CMT2A2; CMT2A2A; CMT2A2B; CPRP1; HMSN6A; HSG; MARF
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001127660
Insert Size:	1973 bp



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Insert Sequence: >SC217209 3'UTR clone of NM_001127660
 The sequence shown below is from the reference sequence of NM_001127660. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACACACCAAGTACCTGCAGCCAGCAGATAGTGGGCACCTGAGGCGGAGTCTGCGTGGAGAGGGGCGGTG
CTGCCAGCCCTAAGTGCCATGTGGGCTCCCCAGGGGCACGTGTGGCTCTGCCCTGGCCACTGCCA
AGAGAATGAAGCACCCAGTCTCGTACCATTTTGTAGCCCTCCAGCACTACTTATTTTCCCCACCTTTGC
CTGCTGTTGCTGGAAGAGCTGGCTCATACCCCAAAGGACACTTTCAGCGACAGCTATGGACAGCATGG
TACCAAGGAGTTAAGTTGAGGCTTTTCCAGCTTCTCTGGTTTCTTGTGTTGATAAGGCCTCAG
GATCTCAGCATTGCACAATGCCTCATGGAAGCCTTTGAGGGTATCACACAGACACCCCCACCTTCTCTCC
AGCCTGTGCGCACCTGCCCTCCTTGCAGCCAGCACACCTGCAGGTGTAAGGGACGATTGGAGTTTCTT
CCCAGAGAGTCTGTCCCAGAAGGACTGTGGCTTGTGTGTCCATCTCGCCTGTTGGCTCAGTGCTTCA
TCCCATTTGCAGAGCCTCAGACAGTCTTGGTGGTGGAGGCTCAGTTACCCCTGGGCTTAGGCTGAGGCG
GGCCCTGTGCTGGGGTGGTAGAAAGGATGCTGCTGAGGCAGCTGGAGGAGTGGGAGTAGCTCAGAGGG
GAGGGCTGTTGGATGTATGGGAGCTGGCAGAGCAGGTGGCAGTCACTGGGACAAGGAGGGACTTGCCCT
CTCTTCTCATTATTGTGTCCTTTGCTTTAGTGTGAGTCTGGACTTGTGCAGGCCCTGTTTGTGTAGAT
CTGTTTTGGAAGATGGCATGGTCTAGGTGGTTGAAGGATGTAGTAGAAGGATGGATGGTGGAAAGTGGG
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CCTTTAAGAGACATGTTTCCACCCACCCCAACCTTGTCCCAAGTGGCCTGGACTAAATTTCTGTGTC
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CAGAACCTTCGACTGACCCCTTGTCTTTATGCTGATGTTGAGTTTTGGATTGTTACTGGTTGAAGTG
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TCACAGGTGATGCTGTTACATACTGCTTGTATTTAAAGCCCTCAGTCTGCTCTGTTGTGTGGGGC
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ATGGCCAAAAGCACTTTAATGCTGCTGACATTGTTGTTTTATGTTTCAATTTGCTGGAGCGCAAGACGTG
CTGACACAGTGAGTTTTCTGTATGATTTAAGGTGATGATTTTGCTTGAGTTACTCCTGTATCATTGC
TCATAATATTGGAACTAAAATAAACCTAGTTGGAAATCC
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001127660.2](https://www.ncbi.nlm.nih.gov/nuccore/NM_001127660.2)

Summary:

This gene encodes a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology of obesity. Mutations in this gene cause Charcot-Marie-Tooth disease type 2A2, and hereditary motor and sensory neuropathy VI, which are both disorders of the peripheral nervous system. Defects in this gene have also been associated with early-onset stroke. Two transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]

Locus ID:

9927

MW:

73.3