

Product datasheet for **RN215093**

Mfn2 (NM_130894) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mfn2 (NM_130894) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mfn2
Synonyms:	HSG
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215093 representing NM_130894
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTGCTCTTTTCTCGATGCAACTCCATCGTCACCGTCAAGAAGGATAAGCGACACATGGCTGAGG
 TGAATGCTTCCCCTCTCAAGCACTTTGTACTGCCAAGAAAAAGATCAATGGCATCTTTGAGCAGCTGGG
 GGCTACATCCAAGAGAGTGCCGGCTTCTTGAAGACACCCACAGGAATACAGAAGTGGACCCAGTTACT
 ACAGAAGAGCAGGTCTGGATGTCAAAGGGTACCTGTCCAAGGTCAGGGGAATCAGCGAGGTGCTGGCCA
 GGCGGCACATGAAGGTGGCTTTTTTGGCCGACGAGCAATGGGAAGAGCACCGTGATCAATGCCATGCT
 TTGGGACAAAGTTCTGCCATCTGGGATTGGCCACACCACCAATTGCTTCTCGGGTTGGGGCACGGAT
 GGCCACGAGGCCCTTCTCCTCACGGAGGGCTCAGAAGAGAAGAAGAGTGTCAAGACCGTGAACCAGCTAG
 CCCATGCCCTCCATCAGGATGAGCAGCTGCATGCAGGCAGCCTGGTGAGTGTGATGTGCCCAACTCCAA
 GTGTCCACTTCTGAAGGATGACCTCGTGTGATGGACAGCCCTGGGATCGATGTCAACACGGAGCTGGAC
 AGCTGGATTGATAAGTTTTGCCTGGATGCTGATGTGTTTGTACTGGTGGCCAACCTCAGAGTCCACCGCTGA
 TGCAGACGGAGAAGCAGTTCTTCCACAAAGTGAGTGAGCGTCTCTCCCGCCCAACATCTTCATCTGAA
 CAACCGCTGGGATGCGTCTGCCTCGGAGCCTGAGTACATGGAGGAGGTGCGGCGGCAGCACATGGAACGC
 TGCACCAGCTTTCTGGTGGATGAGCTAGGCGTGGTGGATCGAGCTCAGGCCGGGGACCGGATCTTCTTTG
 TGTCTGCCAAGGAGGTGCTCAGTGCCAGGGTCCAGAAAGCCAGGGCATGCCAGAAGGAGGTGGCGCTCT
 TGCAGAAGTTTTCAAGTGAGGATGTTTGTAGTTTCAGAATTCGAGAGGCGATTTGAGGAGTGCATTTCC
 CAGTCTGCAGTAAAGACCAAAATTTGAGCAGCACACAGTCCGGGCCAAGCAGATTGCAGAGCCGTCGGTC
 TCATCATGGATTCCCTGCACATTGCGGCTCAGGAGCAGCGGGTTTATTGTCTTGAATGCGGGAAGAGCG
 GCAAGACCGGCTGAGATTCATTGACAAGCAGCTGGAGCTCCTGGCTCAAGACTATAAGCTACGGATTAAG
 CAGATGACAGAGGAAGTGAAAGGCAGGTGCCACAGCCATGGCTGAAGAGATCAGGCGCCTCTCTGTGC
 TGGTTGACGAGTACCAGATGGACTTTCACCCATCCCCAGTTGTCTCAAGGTTTATAAGAATGAACTGCA
 CCGCCATATAGAGGAAGGCTGGGACGAAACATGTCTGACCGCTGCTCCACAGCCATTGCCAGTTCACTG
 CAGACTATGCAGCAAGACATGATAGACGGCTTGAAGCCCTTCTCTGTGTCTGTGCGGAATCAGATAG
 ACATGCTGGTCCCTCGACAGTGTCTCCCTCAGCTATGACCTGAACTGTGACAAGCTGTGCGCTGACTT
 TCAGGAGGACATCGAATCCATTTCTCCCTGGATGGACTATGCTAGTGAATAGGTTCTGGGCCCTAAG
 AATAGCCGGCGGGCCTTGTGGGCTACAATGATCAGGTTGAGCTCCTCTCCCTCTGACACCTGCCAACC
 CCAGCATGCCACCCTTGCCACAGGGCTCCCTCACCCAGGAGGAGCTCATGGTCTCCATGGTACTGGCCT
 GGCTCTCTGACTTCCAGGACCTCTATGGGCATTCTCGTGGTCCGAGGAGTGGTGTGGAAGGCAGTGGGC
 TGGAGACTCATCGCCCTCTCTTTGGACTGTATGGCCTCCTGTACGTGTATGAGCGGCTGACCTGGACCA
 CCAGAGCCAAGGAGAGGGCCTTCAAGCGCCAGTTTGTGGAGTATGCCAGTGAGAAGCTGCAGCTCATTAT
 CAGTTATACCGGCTCTAACTGCAGCCACCAAGTTCAGCAAGAATTGTCTGGGACATTTGCTCATCTGTGC
 CAGCAAGTTGACATCACCCGGGATAATCTGGAGCAGGAAATTGCTGCCATGAACAAGAAAGTTGAGGCTC
 TGGATTCACTTCAGAGCAAAGCCAAATGCTCAGGAATAAAGCTGGCTGGTTGGACAGCGAACTCAACAT
 GTTCATACACCAGTACCTGCAGCCAGCAGATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_130894
Insert Size: 2274 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_130894.4 , NP_570964.4
RefSeq Size:	3891 bp
RefSeq ORF:	2274 bp
Locus ID:	64476
Cytogenetics:	5q36