

Product datasheet for **SC326553**

MTFR1 (NM_001145838) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTFR1 (NM_001145838) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTFR1
Synonyms:	CHPPR; FAM54A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326553 representing NM_001145838. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGCTTGGCTGGATTAAGCGCCTAATTAGGATGGTTTTCAACAAGTTGGAGTAAGCATGCAATCGATT
 AACAGCCATGCAACAGAATGGAGTCCCAGCCACCCAGGAGAGGATGCAGTGGCGTCTTTTGCTGATGTT
 GGATGGGTAGCCAAAGAAGAAGGAGAGTGTTCAGCAAGACTAAGGACAGAGGTGAGTCAAGGCCACCC
 CTTGAGGATGACCTTCTTTCTTTGAGAAGGCCCAAGCAGACAGATTCCTTACCAGACTTGCTCAA
 GAAGAGCCTCAGCTGAAGACCCAGCGCTGGCAAATGAGGAAGCACTGCAGAAGATTTGCGCTCTCGAA
 AATGAACCTTGCTGCTCTCAGAGCTCAGATTGCCAAAATTGTGACCCAGCAGGAGCAGCAAAATCTCACT
 GCAGGTGACTTAGATTCTACCACATTTGGTACCATACCACCACACCCTCCACCTCCCCACCGCCCTG
 CCTCCCCCTGCACTGGGGCTCCACCAAAGTACATCTGCTGTTGATCTGATTAAAGAACGAAGAGAGAAA
 AGAGCCAATGCTGGAAAGACTTTGGTTAAGAACAATCCAAAGAAACCTGAAATGCCAAATATGCTAGAG
 ATCCTTAAAGAGATGAACAGTGTAAACTTCGGTCAGTGAAGAGGTGAGAGCAAGATGTGAAGCCCAAG
 CCAGTGGATGCTACTGACCCTGCTGCCCTCATAGCAGAGGCTCTGAAAAAGAAATTTGCTTATCGGTAT
 CGAAGTGATAGCCAAGATGAAGTTGAAAAAGGAATTCAAAGTCTGAATCAGAGGCCACCTCAGAGAGA
 GTGTTGTTTGGCCACACATGTTGAAGCCAACAGGAAAAATGAAGGCTTTAATTGAAATGTATCAGAC
TCCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001145838
Insert Size:	903 bp


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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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_001145838.1
RefSeq Size:	2509 bp
RefSeq ORF:	903 bp
Locus ID:	9650
UniProt ID:	Q15390
Cytogenetics:	8q13.1
MW:	33.2 kDa
Gene Summary:	This gene encodes a mitochondrial protein that is characterized by a poly-proline rich region. A chicken homolog of this protein promotes mitochondrial fission and the mouse homolog protects cells from oxidative stress. A related pseudogene of this gene is found on chromosome X. [provided by RefSeq, Mar 2009] Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.