

Product datasheet for SC326562

MTFR1 (NM_001145839) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTFR1 (NM_001145839) 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:	>SC326562 representing NM_001145839. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGCTTGGCTGGATTAAGCGCCTAATTAGGATGGTTTTTCAACAAGTTGGAGTAAGCATGCAATCGGTA
 CTTTGGTCTAGGAAGCCATATGGTTCGTCTCGAAGTATCGTAAGGAAAATTGGTACTAATTTGTCTCTG
 ATTCAGTGTCCAAGAGTTCAGTTTCAGATTAACAGCCATGCAACAGAATGGAGTCCCAGCCACCCAGGA
 GAGGATGCAGTGGCGTCTTTTGTGATGTTGGATGGGTAGCCAAAGAAGAAGGAGAGTGTTCAGCAAGA
 CTAAGGACAGAGGTCAGATCAAGGCCACCCCTTCAGGATGACCTTCTTTTCTTTGAGAAGGCCCAAGC
 AGACAGATTTCTTACCAGACTTGTCTCAAGAAGAGCCTCAGCTGAAGACCCAGCGCTGGCAAATGAG
 GAAGCACTGCAGAAGATTTGCGCTCTCGAAAATGAACTTGCTGCTCTCAGAGCTCAGATTGCCAAAATT
 GTGACCCAGCAGGAGCAGCAAAATCTCACTGCAGGTGACTTAGATTCTACCACATTTGGTACCATACCA
 CCACACCTCCACCTCCCCACCGCCCTGCCTCCCCCTGCACTGGGGCTCCACCAAAGTACATCTGCT
 GTTGATCTGATTAAGAACAAGAGAGAGAAAAGAGCCAATGCTGGAAAGACTTTGGTTAAGAACAATCCA
 AAGAAACCTGAAATGCCAAATATGCTAGAGATCCTTAAGAGATGAACAGTGTAAACTTCGGTCAGTG
 AAGAGGTCAGAGCAAGATGTGAAGCCCAAGCCAGTGGATGCTACTGACCTGCTGCCCTCATAGCAGAG
 GCTCTGAAAAAGAAATTTGCTTATCGGTATCGAAGTATAGCCAAGATGAAGTTGAAAAAGGAATTCCA
 AAGTCTGAATCAGAGGCCACCTCAGAGAGAGTGTGGTGAGTTATTTGCCAGATTCTTTCTCTGTTAT
 GTAGAAATCCATCCCATGCCAAGCACTTGCAATTTGCAAGTGATTACCTGTGCATCTGTAAGTTCC
 AAAGGGAGG**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001145839


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Insert Size:	1047 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).
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:	<u>NM_001145839.1</u>
RefSeq Size:	1472 bp
RefSeq ORF:	1047 bp
Locus ID:	9650
Cytogenetics:	8q13.1
MW:	38.7 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 (3) differs in the 3' UTR and coding region compared to variant 1. The encoded isoform (3) has a distinct C-terminus and is longer than isoform 1.