

Product datasheet for **SC321451**

MTRF1L (NM_019041) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTRF1L (NM_019041) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTRF1L
Synonyms:	HMRF1L; MRF1L; mtRF1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_019041.3
 GTCAGGGTCCGCGATCTCGGACTAAGGATGCGGTCCCGGGTCTGTGGGGCGCTGCCCGG
 TGGCTCTGGCCCCGCGGGCCGTTGGCCAGCCCCGCGGCCCTGAGCTCCGGTAGCCCC
 CCGCTGGAGGAGCTGTTCCGCCGGGGCGGGCCCTTGGCGACCTTCTCGAGCGCCAGGCG
 GGGTCTGAAGCCATTTGAAGGTGAGGAGCCGAGTTGCTGGCGGTGATCAAAGTCTG
 AACGAGAAGGAGCAGGAGCTGCGGGAGACTGAGCACTTGTGCACGATGAGAATGAAGT
 TTAAGGAAACTTGCAGAGAATGAAATCACTTTGTGTCAAAAAGAAATAACTCAGCTGAAG
 CATCAGATTATCTTACTTTTGGTTCCCTCAGAAGAAACAGATGAAAATGATTTGATCCTG
 GAAGTAACTGCAGGAGTTGGAGGTCAGGAGGCAATGTTGTTTACATCAGAGATATTTGAT
 ATGTATCAGCAATATGCTGCATTTAAAAGATGGCATTGTTGAAACCTGGAATATTTTCCA
 AGTGAAGTGGTGGCCTTAGACATGCATCTGCCAGCATTGGGGTTCAGAAGCCTATAGG
 CACATGAAATTTGAAGGAGGTGTTACAGAGTACAAGAGTGCCAAAGACAGAAAAGCAA
 GGCCGCGTCCATACTAGCACCATGACTGTAGCAATATTACCCAGCCTACTGAGATTAAT
 CTGGTGATTAATCCGAAAGATTTGAGAATTGACACTAAGCGAGCCAGTGGAGCTGGGGG
 CAGCATGTAATACCACGGACAGTGTGTCCGGATAGTTCATCTTCCAACAGGTGTTGTT
 TCTGAATGTCAACAAGAGAGATCTCAGCTGAAAAATAAAGAGCTGGCTATGACAAAGTTA
 CGTGCAAAACTGTACAGCATGCATCTAGAAGAAGAAATAAATAAAGACAGAATGCTAGA
 AAAATTCAGATTGGAAGTAAAGGAAGATCAGAGAAAATAAGAACATATAATTTTCCACAG
 AACCGGTACAGATCACAGAATAACAAGACGCTGCATGATCTTGAAACTTTTATGCAA
 GGAGATTATCTACTGGATGAACTGTACAGTCAATGAAGGAATACGCCGATTATGAATCT
 TTAGTAGAAATTTTCCAAAAAGTTTAAAGTTGATTTGTTATTTATAGACTTTTCGTAGC
 TTAGAAAAATCTACAGTACATCCACATAGGGTAAAGTACCCTTACTCTTTGAAAAAC
 GTTGAGTTAACACAGTTGGAGGTAATATGCATATTCTGAAGTCATAGATAATTTACACAG
 ATCTCTCAATGCATTAGCAAAAATCATACAATATACAGATGGTCCCTCGATTTACATTG
 TGGTTAATTTCCAAATAAACCCATCATAAGTAAAAAATGCATATAACGTTAGCAACACAGC
 AGTCTCTAATTAATGACAGCTTGACTTAACAATTTTCCAACTTTACCATGGTGTGAAAG
 AGGTATGATTCCTAAGCCCTAAGGAGCTCCTCAGCTTGAATGGGGTGCATCCCTATAA
 ACCCATCATAAAGTCAAAAAATCCTAAAACATAAGTTGGTGACCATCTGTAATCATGATG
 TGGTGGTAAATCTGGACGCTACCTTACAATAACTAGACAAAAGGAAAATCATCCTTTGTC
 CTGTTCTGTGTAATATTTAATGAATGATCAAACTTCAGTTAAATATTATGAAAACT
 TTAACATAAAGTAGTAGAAATAAGACAGTAAATACTGTATCCTAATATCCAGTCAGGAT
 ACAGAAACCATACCATTAACCTGAACAGGATAATTTTAAATATAAAAAACTGTTAACTGA
 TAATGGTACTAACTTTTAAAGAGGATGAAAGAGAGCTATGATGTCTAGGACTGAGAGTA
 CCCCAGGAAAGAAATACCCTTGAAGGGTCTCCCTTCCCCTGGTGAAGTCAAGGCCTAAT
 GGAGAGAGTGGCTACAGCCTACTCAGTATTGGGAAATCCCTGTCTTGGCCTGGGCCAG
 AGCTGGTGTACCGCTGGTGGATCAGGTCTTACAAGCAAAGAACCTCACACTCCCACTGG
 TAAGCCAGAAGCCTTGTGCTAGGGTGTGAGCAAACCTTGGACAGGAACTCTCAGTAGATG
 TTTGTGTTGTCAAGATTCTCCAGACAACTTCTTAAAAGGATTGGCTTGTGTTGTTAT
 TATTAAGTCTAACAAGTCCAAAAGCTGGAGTGTGAGGCAGGAGCTGAAACCCAGGAAA
 GCTGATGGTGCAAGGTCCAGTCCAAAGGTATCTGTTGGAGGATTCTTGTCTGGGAAG
 AGGACGGTCTTTTTTCTTTCAGACCTTACCTGACTGGATCAAGCCCCTAACATCGA
 GGAGGACAGTCTGCATTACTCAGAGTTCAGTATTGATTTAAATGTCAATCTCATATAAA
 ACACCCTCACAGAAACACCTAGAATAATGTTTGACCTTAATTTGAAAAATCAGAGCAAA
 AGTTAAATCTCTAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_019041

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:	<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:	<u>NM_019041.3</u> , <u>NP_061914.2</u>
RefSeq Size:	2550 bp
RefSeq ORF:	1143 bp
Locus ID:	54516
UniProt ID:	<u>Q9UGC7</u>
Cytogenetics:	6q25.2
Domains:	RF-1, PCRF
Gene Summary:	<p>The protein encoded by this gene plays a role in mitochondrial translation termination, and is thought to be a release factor that is involved in the dissociation of the complete protein from the final tRNA, the ribosome, and the cognate mRNA. This protein acts upon UAA and UAG stop codons, but has no in vitro activity against UGA, which encodes tryptophan in human mitochondrion, or, the mitochondrial non-cognate stop codons, AGA and AGG. This protein shares sequence similarity to bacterial release factors. Pseudogenes of this gene are found on chromosomes 4, 8, and 11. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>