

## Product datasheet for **SC122271**

### **MTRF1 (BC027731) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MTRF1 (BC027731) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTRF1
Synonyms:	MGC47721; mitochondrial translational release factor 1; mitochondrial peptide chain release factor 1; MRF1; MTTRF1; OTTHUMP00000018315; OTTHUMP00000018316; RF1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for BC027731 edited  
 GGCACGAGGCGGGTTTGTGCGGGCTGAAATGTGGCGGGTCTCGGAAGGTTCCGACCTCAGT  
 AAAGAGAGCTAACGTGTATTCTTCTTTTTCTTAGCGTGTGCTTTGTGCGCCACGCTGGT  
 TGCAGTGGTGGCATCTCAGTTCACTGCAACCTTCGCCTCCCAGGTTCAAGCGATTATCCT  
 GCCTCAGCTTCCCAGCAGCTAGGACTACAGGTGTGTCCATCACGCTCAGCTAATTTTT  
 TTGGTATTTTTAGTAGAGATGGGGTTTTCCCATGTTGGCCAGGCTGGTCTCGAAGCTCTG  
 ACCTCAGATGATCTGCCCGCCTCGGCCTCCCAAAGTGGTAGGATTACAGGCGTGAGCCAC  
 TGTGCTCGGCACATTTTATGCTGAGATGAATCGTCACCTGTGTGTTGGCTTTTTAGAC  
 ATCCATCTCTTAATGGTTACCTCCAGTGTACATCCAGCTCCATTCTCATCAATTTAGAC  
 AGATACATCTTGATACAAGGCTGCAAGTTTTAGACAAAACAGGAATTGCATTCTTCATC  
 TGTTAAGTAAGAATTGGTCCAGGAGATATTGCCATCAAGACACCAAGATGCTCTGGAAGC  
 AATAAGCACTACAGAAATATATGGAGAACCTGAGTAAGGAGTACCAAACACTTGAGCAAT  
 GTCTGCAGCATATCCCTGTGAATGAGGAAAACCGAAGTCTTGAACAGAAGGCATGCTG  
 AGTTGGCACCTCTTGAGCCATTTACCAAGAAATTCAGGAGACTGAACAAGCAATTGAAG  
 AATTAGAATCAATGTGTAAGAACAGAGTCTTGTCTGTGGCCAGGCTGGAATGCAGT  
 AGTGTAATCATAGCTCACTTTAACCTTGAACCTCTGGACTCAAGCAATCTCCAACCTCA  
 GCCTCCCAAGTAGCTGGGACTACAGGCCTAAATAAACAAGATGAAAAGCAGTTACAAAGAA  
 CTTGCACTGGAAGAAAGGCAAACCATTTGATCAAAAAATCAACATGTTGTACAATGAGCTT  
 TTCCAGAGCCTTGTGCCAAAGGAGAAATATGACAAAAATGATGTTATTTTAGAGGTGACA  
 GCTGGAAGGACTACTGGAGGTGACATCTGCCAACAAATTTACCCGAGAAATATTTGACATG  
 TACCAGAAATATTCGTGCTATAAACACTGGCAATTTGAACTTCTGAATTATACACCAGCA  
 GATTATGGTAGGCATATTGAGGAATTTGCCTGTAGGAGATACTGAAAATATTTTACCTC  
 TGATCTTGATTAGAACCATATTGTCCCATTTTTTTTTGAAACTTTTGGTGTATATCTC  
 AAACACTGTGGCATAGGCTCATCAATCACAGTGGCTTACTATTATAGCAGAGTTGTTAGC  
 TAGGAGAAGACAGTAGAAAGGAGGAAGCATTTGCTTAGGGAGAAATATGTGAATTAGAG  
 AAAATCCCTGAGGAACCTAGATACGTATCTTGCCTCAAAATCATTTTTCTCTATTATT  
 GAAAGCAAAGGTATATTAAGTTTTTACTTTAAATAACTTTATAAAATAATATAAGTATT  
 ACTAATTAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for BC027731 unedited  
 GGGNCGGCCGCGCAATTCGGCACGAGGCGGGTTTGTGCGGGTCAAAGTGGCGGGTCTCG  
 GAAGGTTCCGACCTCAGTAAAGAGAGCTAACGTGTATTCTTCTTTTTCTTAGCGTGTGCG  
 TTTGTGCGCCACGCTGGTTGCAGTGGTGCATCTCAGTTCACTGCAACCTTCGCCTCCCA  
 GGTTCAAGCGATTATCCTGCCTCAGCTTCCCAGCAGCTAGGACTACAGGTGTGTCCAT  
 CACGCTCAGCTAATTTTTTGGTATTTTAGTAGAGATGGGGTTTTCCCATGTTGGCCAG  
 GCTGGTCTCGAAGTCTGACCTCAGATGATCTGCCCGCCTCGGCCTCCCAAAGTGGTAGG  
 ATTACAGGCGTGAGCCACTGTGCTCGGCACATTTGATGCTGAGATGAATCGTCACCTGT  
 GTGTTTGGCTTTTTAGACATCCATCTCTTAATGGTTACCTCCAGTGTACATCCAGCTCC  
 ATTCTCATCAATTTAGACAGATACATCTTGATACAAGGCTGCAAGTTTTTAGACAAAACA  
 GGAATTGCATTCTCATCTGTTAAGTAAGAATTGGTCCAGGAGATATTGCCATCAAGACA  
 CCAAGATGCTCTGGAAGCATAAAGCACTACAGAAATATATGGAGAACCTGAGTAAGGAGT  
 ACCAAACACTTGAGCAATGTCTGCAGCATATCCCTGTGAATGAGGGAAAACCGAAGTCT  
 TGAACAGAANGCATGCTGAGTTGGCACCTTTCAGCCATTTACCAAGAAATTCANGAGA  
 CTGNNACAGCATTGNAGAATTAGNNATCAATGTGTAAGAACAGAGTCTTGTCTGTGCG

**Restriction Sites:** Please inquire  
**ACCN:** BC027731  
**Insert Size:** 1595 bp

<b>OTI Disclaimer:</b>	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).
<b>RefSeq:</b>	<u><a href="#">BC027731.1</a></u> , <u><a href="#">AAH27731.1</a></u>
<b>RefSeq Size:</b>	1595 bp
<b>Locus ID:</b>	9617
<b>Gene Summary:</b>	The protein encoded by this gene was determined by in silico methods to be a mitochondrial protein with similarity to the peptide chain release factors (RFs) discovered in bacteria and yeast. The peptide chain release factors direct the termination of translation in response to the peptide chain termination codons. Initially thought to have a role in the termination of mitochondria protein synthesis, a recent publication found no mitochondrial translation release functionality. Multiple alternatively spliced transcript variants have been suggested by mRNA and EST data; however, their full-length natures are not clear. [provided by RefSeq, Jul 2008]