

Product datasheet for **SC335747**

MTERF (MTERF1) (NM_001301135) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTERF (MTERF1) (NM_001301135) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTERF
Synonyms:	MTERF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335747 representing NM_001301135. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCACCAGGAAACCTCTGGCATATGAGAAATACTTTCTTTGGTTCAAGATGTTGGATGACTCGA
TTTTCAGCAGAAAAATCTTCAAATCAGTTTCATTTAGGCTTTTTGGTGTGAAGTGCATAATACAGAC
AGTGAGCCTTTGAAAAATGAGGACCTACTGAAAACTTACTTACTATGGGAGTAGATATTGACATGGCA
AGGAAACGACAGCCTGGAGTTTTTCATAGGATGATTACCAATGAGCAGGACCTGAAGATGTTCTTCTT
TCCAAAGGAGCTAGCAAAGAAGTGATCGCTAGCATCATATCAAGATATCCACGAGCAATAACACGTA
CCCGAGAATCTTTCAAACGGTGGGATCTGTGGAGAAAGATTGTGACATCAGACCTTGAATTTGTAAT
ATTTTGAACGTTCTCCTGAATCCTTTTTTCGGTCCAATAACAACCTAACTTAGAGAATAATATAAAG
TTCTCTACTCAGTTGGATTGACCCGTAATGCCTTTGTCGATTGTTGACCAATGCCCTCGTACCTTC
TCCAATAGTCTTGATCTGAATAACAGATGGTTGAATTTTTGCAGGCAGCCGGTTTGTGATTGGGTCAC
AATGATCCCGCAGATTTTGTGAGAAAGATAATTTTTAAAAACCTTTTATCTTAATTCAGAGCACCAG
CGGGTGAAGCTAACATTGAATTTACGGTCACTTTCAATTTGAACAGTGAGGAACGCTGTTGTTCTG
ATATGTGGTCCAGGAGCTGAAATCCTAGACCTTCCAATGACTATGCCAGAAGAAGCTACGCAAAATC
AAAGAGAAGCTGTTTTCTTTGGATGTACTGAAGAAGAGGTACAGAAGTTTGTCTTAAGCTATCCAGAT
GTGATCTTTGGCAGAGAAAAAGTTAATGATAAAATAGACTGCCTCATGGAAGAAAACATTAGCATT
TCACAAATAATCGAAAAATCCTCGGTTCTGGATTCAAGCATAAGTACTTTAAAAAGTCGAATCAAAGAA
TTGGTAAATGCTGGCTGTAACCTGAGTACTTTAAACATCACTCTTCTATCTTGGAGTAAAAAAGATAT
GAAGCTAAATTGAAAAAGTTAAGCAGATTTGC TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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ACCN:	NM_001301135
Insert Size:	1140 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:	<u>NM_001301135.1</u>
RefSeq Size:	2128 bp
RefSeq ORF:	1140 bp
Locus ID:	7978
UniProt ID:	<u>Q99551</u>
Cytogenetics:	7q21.2
Protein Families:	Transcription Factors
MW:	43.6 kDa
Gene Summary:	<p>This gene encodes a mitochondrial transcription termination factor. This protein participates in attenuating transcription from the mitochondrial genome; this attenuation allows higher levels of expression of 16S ribosomal RNA relative to the tRNA gene downstream. The product of this gene has three leucine zipper motifs bracketed by two basic domains that are all required for DNA binding. There is evidence that, for this protein, the zippers participate in intramolecular interactions that establish the three-dimensional structure required for DNA binding. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) differs in its 5' UTR and uses a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Both variants 2 and 3 encode the same isoform.</p>