

Product datasheet for SC319273

MTERFD1 (MTERF3) (NM_015942) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTERFD1 (MTERF3) (NM_015942) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTERFD1
Synonyms:	CGI-12; MTERFD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_015942.3 <pre> GGGACGTGCGGCCAGCGAGTTGGTCGGTCCCGGGGTACCCGCTACGGGAAGCAGGCCT CGCCACAGACTAAGAAAAATGGCTTTGTCAGCCCAACAGATACCCAGATGGTTAACTCA GTTAAGTTGAGGAGCCTCATTAATGCTGCACAACACAAAAACGTTTACTAGACCAGCA AGAACTGTTACATGGCTTTTCTGCTCAGCCTCAGATATCCTCTGACAATTGCTTCTC CAGTGGGGATTTAAGACTTACAGGACTTCCTCCTTATGGAATAGTTCCAGTCTACTAGC TCAAGTAGTCAGGAGAATAATTCTGCCAAAGCAGTCTGCTTCCCTCCATGAATGAACAG TCACAGAAGACAAAAATATATCCAGCTTTGATTCTGAGCTGTTTCTAGAAGAACTGGAT GAATTGCCTCCATTGTCTCCAATGCAGCCAATTTAGAGGAAGAGGCTATTCAGATTATT GCAGACCCTCCATTGCCACCAGCTTCATTACACTTCGAGACTATGTGGATCATTCTGAG ACTCTGCAGAAGTTGGTTCTTCTAGGCGTGGATTTGTCCAAGATAGAAAAACATCCAGAA GCAGCAAACCTCCTTCTGAGACTGGATTTTGAAGAACATTAAGCAAAATGCTTCTGTTT CTTAAAGATGTGGGTATAGAGGATAACCAACTGGGAGCATTCTGACAAAAAATCATGCA ATTTTCTCTGAAGACCTTGAAAACTGAAGACCAGGGTGGCTTATCTGCATTCAAAAAAT TTCAGTAAAGCAGATGTTGCACAGATGGTCAGAAAAGCACCATTTTGTGTAACCTTTTCA GTGGAAAGACTGGATAACAGATTGGGATTTTTCAGAAAGAACTGAACTTAGTGTAAG AAGACTAGAGATCTGGTAGTTCGTCTCCAAGGCTGCTAACTGGAAGTCTGGAACCCGTG AAAGAAAAATGAAGGTTTATCGTCTTGAACCTTGGTTTTAAACATAACGAAATTCACAT ATGATCACCAGAATCCCAAGATGTTAACTGCAATAAAATGAACTTACCGAGACGTTT GATTTTGTGCACAATGTGATGAGCATTCCCAACACATCATTGTCAAGTTCCACAGGTA TTTAATACAAGGCTGTTTAAAGTCAAAGAAAGACACTGTTTCTTACCTATTTAGGAAGA GCACAGTATGATCCAGCAAAACCTAACTACATCTCTTGGACAACTAGTATCTATTCTT GATGAAATATTTTGTGAAGAGATTGCCAAAGCATCAGTACAGGACTTTGAAAAATCTTA AAAACGCTTTAGATTTTATGTATGTTAAATGCAGTATTGTAAAGTGAATATATATATG AATAAATGAATATATTTTAAATGCCAAAAAAAAAAAAAAAAAAAAA </pre>

Restriction Sites: Please inquire



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ACCN:	NM_015942
Insert Size:	1254 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_015942.3, NP_057026.3</u>
RefSeq Size:	1424 bp
RefSeq ORF:	1254 bp
Locus ID:	51001
UniProt ID:	<u>Q96E29</u>
Cytogenetics:	8q22.1
Domains:	Mterf
Gene Summary:	Binds promoter DNA and regulates initiation of transcription (PubMed:17662942). Required for normal mitochondrial transcription and translation, and for normal assembly of mitochondrial respiratory complexes. Required for normal mitochondrial function (By similarity). Maintains 16S rRNA levels and functions in mitochondrial ribosome assembly by regulating the biogenesis of the 39S ribosomal subunit (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (1).