

Product datasheet for SC335614

MTERFD1 (MTERF3) (NM_001286643) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTERFD1 (MTERF3) (NM_001286643) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTERFD1
Synonyms:	CGI-12; MTERFD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335614 representing NM_001286643. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGCTTTGTGAGCCCAACAGATACCCAGATGGTTAACTCAGTTAAGTTGAGGAGCCTCATTAATGCT
 GCACAACACAAAACGTTTACTAGACCAGCAAGAACTGTTACATGGCTTTTCTGCTCAGCCTCAG
 ATATCCTCTGACAATTGCTTCTCCAGTGGGGATTTAAGACTTACAGGACTTCCTCCTTATGGAATAGT
 TCCAGTCTACTAGCTCAAGTAGTCAGGAGAATAATTCTGCCAAAGCAGTCTGCTTCTTCCATGAAT
 GAACAGTCACAGAAGACACAAAATATATCCAGCTTTGATTCTGAGCTGTTTCTAGAAGAACTGGATGAA
 TTGCCTCCATTGTCTCAATGCAGCCAATTTAGAGGAAGAGGCTATTGAGATTATGCAGACCCTCCA
 TTGCCACCAGCTTCATTACACTTCGAGACTATGTGGATCATTCTGAGACTCTGCAGAAGTTGGTTCTT
 CTAGGCGTGGATTTGTCCAAGATAGAAAAACATCCAGAAGCAGCAAACTCCTTCTGAGACTGGATTTT
 GAAAAAGACATTAAGCAAATGCTTCTGTTTCTTAAAGATGTGGGTATAGAGGATAACCAACTGGGAGCA
 TTCCTGACAAAAATCATGCAATTTTCTCTGAAGACCTTGAAATCTGAAGACCAGGGTGGCTTATCTG
 CATTCAAAAAATTTAGTAAAGCAGATGTTGCACAGATGGTCAGAAAAGCACCATTTTGTGAACTTT
 TCAGTGGAAAGACTGGATAACAGATTGGGATTTTTCAGAAAGAACTTGAAGTGTGGAAGAAGACT
 AGAGATCTGGTAGTTCTGCTCCCAAGGCTGCTAACTGGAAGTCTGGAACCCGTGAAAGAAAATATGAAG
 GTTTATCGTCTTGAAGTTGGTTTTAAACATAACGAAATCAACATATGATCACCAGAATCCCAAAGATG
 TTAAGTGCAAAATAAAATGAACTTACCGAGACGTTTGATTTTGTGCACAATGTGATGAGCATTCCCCAC
 CACATCATTGTCAAGTTCCACAGTTTCTTACAGAAAATATAGGATT**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001286643


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Insert Size:	1086 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:	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_001286643.1</u>
RefSeq Size:	1532 bp
RefSeq ORF:	1086 bp
Locus ID:	51001
Cytogenetics:	8q22.1
MW:	41.6 kDa
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 (2) differs in the 3' UTR and uses an alternate exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus compared to isoform 1.