

Product datasheet for **SC107401**

MTERFD2 (MTERF4) (NM_182501) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTERFD2 (MTERF4) (NM_182501) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTERF4
Synonyms:	MTERFD2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_182501, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCGTTCGGCCGTCAGGTCCTTGATTGGCACCGCCTGATCCCCCTCACCTGGGCCTGTATGGCTA
GGCAGACTCCTCATCTTGGAGAACAGAGAAGGACGACAGCTTCTTTGTTGCGCAAAGTACTACAGCCTC
CAATGGAGGGGTCATTGAGGAGTTATCTTGTGTTAGATCCAATAACTATGTGCAGGAACAGAGTGCAGG
AGGAATCTTGTTCAAGTGCCTCCTTGAGAAGCAGGGGACTCCTGTGGTACAAGGGTCTTGGAGCTAGAGA
GGGTCATGAGTTCCTCCTGGACATGGGTTTCAGCAATGCCATATTAATGAATTGCTCAGTGTACGGCG
AGGTGCCAGTCTCAACAGTTGCTGGACATCATTCAGAAATTTATCTCTTGGGTCTGAATCCAGAGCCT
GTGTGTGGTCTTGAAGAAAAGTCCCCAGTTATTGAAACTGCCTATTATGCAAATGAGGAAGCGCTCCA
GTTACCTGCAAAAAGCTTGGGCTTGGAGAAGGAAATTAAGAGGGTGCTTTACTGTTGCCCTGAAATTTT
CACCATGCGCCAGCAGGACATTAACGACACTGTCAGGCTTCTCAAGGAGAAGTGCCTTTTACGGTACAG
CAAGTCACCAAGATTTTGCACAGTTGCCCTCTGTTCTTCGAGAGGACCTGGGTCAACTGGAATACAAGT
TTCAGTATGCATACTTCAGGATGGGAATTAAGCATCCAGACATTGTAAGAGTGAAGTACTGCAATTC
ACTAACCAAGATTAAGCAGAGACACATTTACCTGGAGCGCCTGGGACGGTACCAAACCCCTGATAAGAAG
GGCAGACACAGATCCCTAACCCATTGCTCAAGGACATTCTCAGAGTTTCAGAAGCTGAGTTTTTGGCCA
GGACAGCCTGTACTTCTGTTGAGGAGTTTCAAGTTTTTAAAGAAGCTCCTGGCTCGGGAGGAGGAGGATC
TGAGAGCAGCACATCTGATGACAAAAGGCAAGTCTGGATGAGGATGAGGATGACGATGATGAGGAGGAC
AATGATGAGGATGACAATGATGAGGATGACGATGATGAGGACGACGACGAGGCGGAGGACAATGATGAGG
ATGAGGACGACGACGAGGAGGAATAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_182501 unedited AGGCGGCCCGCAATTCGCACGAGGCTGCCATCTTCTCCGCGCTATGGCTGCGTTCCGGCC GTCAGGTCCTTGATTGGCACCGCCTGATCCCCCTCACCTGGGCCTGTATGGCTAGGCAGA CTCCTCATCTTGGAGAACAGAGAAGGACGACAGCTTCTTTGTTGCGCAAAGTACTACAG CCTCCAATGGAGGGGTCATTGAGGAGTTATCTTGTGTTAGATCCAATAACTATGTGCAGG AACCAGAGTGCAGGAGGAATCTTGTTCAGTGCCTCCTTGAGAAGCAGGGGACTCCTGTGG TACAAGGGTCCTTGGAGCTAGAGAGGGTCATGAGTTCCTCCTGGACATGGGTTTCAGCA ATGCCCATATTAATGAATTGCTCAGTGTACGGCGAGGTGCCAGTCTTCAACAGTTGCTGG ACATCATTTTCAAGATTTATTCTTCTTGGGTCTGAATCCAGAGCCTGTGTGTGGTCTTGA AGAAAAGTCCCCAGTTATTGAAACTGCCTATTATGCAAATGAGGAAGCGCTCCAGTTACC TGCAAAAGCTTGGGCTTGGAGAAGGAAATTAAGAGGGTGCTTTACTGTTGCCCTGAAA TTTTACCACGCGCCAGCAGGACATTAACGACACTGTCAGGCTTCTCAAGGAGAAGTGCC TTTTACGGTACAGCAAGTACCAAGATTTGCACAGTTGCCCTCTGTTCTTCGAGAGG ACCTGGGTCAACTGGAATACAAAGTTCAGTATGCATACTTCANGATGGGAATTAAGCATC CAGACTTGTAAGAGTGAGTACTTGCAAGTATTCACCAACCAAGATTAAGCAGAGACACAT TTACCTGGNAGCGCCTGGGACGGTACCAACCCCTGATAGATGGGGCAGACACAGATCCC TAACCCATTGCTCAGGACATTCTCAGAGTTTAN
Restriction Sites:	ECoRI-NOT
ACCN:	NM_182501
Insert Size:	4600 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_182501.2</u> , <u>NP_872307.2</u>
RefSeq Size:	4545 bp
RefSeq ORF:	1146 bp
Locus ID:	130916
UniProt ID:	<u>Q7Z6M4</u>
Cytogenetics:	2q37.3

Gene Summary:

Regulator of mitochondrial ribosome biogenesis and translation. Binds to mitochondrial ribosomal RNAs 16S, 12S and 7S and targets NSUN4 RNA methyltransferase to the mitochondrial large ribosomal subunit (39S).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longest isoform (1).