

Product datasheet for **SC328450**

Mitochondrial Translational Initiation Factor 3 (MTIF3) (NM_001166261) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mitochondrial Translational Initiation Factor 3 (MTIF3) (NM_001166261) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTIF3
Synonyms:	IF3mt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328450 representing NM_001166261. Blue=Insert sequence Red=Cloning site Green=Tag(s)

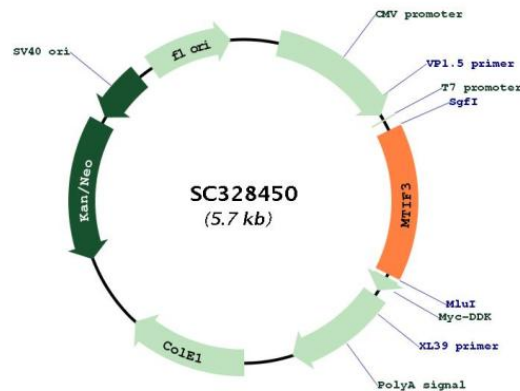
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGCTCTTTTTCTAAAGAGGTTAACTACAAAAGTAAAGTCTGAAAATAGTTGCATTAGATGT
TTTGGTAAACACATCCTGCAAAAGACAGCACCAGCACAGTTGTCCCTATTGCTTCTGCCCAAGACTC
TCCTTCTAATTCATGCAAAAGCCTTTAGTACCGCTGAAGACACCCAGAATGAAGAAAAAGACAAAA
AGAATAAAACAGCTTTTAGTAACGTTGGAAGAAAAATTAGTCAGCGAGTTATTCACCTATTTGATGAG
AAGGGCAATGATTTGGGAAACATGCACCGAGCAAAATGTGATTAGACTTATGGATGAGCGAGACCTGCCA
CTGGTTCAAAGGAACACCAGCACAGAACCTGCAGAGATCAGCTCATGACAGATTGCAGATCCTCCAG
GAGCGGCAGAGGCTGAGGGAGATGGAGAAGGCGAACCCAAAACTGGACCAACCCGAGAAAAGAACTG
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ACTCAAGAGACCCAGGAAAGAGACACTTGAACAAAGACCATGGAATGATAAGGAATCAAATGTTCTG
CATCAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001166261

Insert Size: 837 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: [NM_001166261.1](#)

RefSeq Size: 999 bp

RefSeq ORF: 837 bp

Locus ID: 219402

UniProt ID: [Q9H2K0](#)

Cytogenetics: 13q12.2

MW: 31.7 kDa

Gene Summary: This gene encodes a translation initiation factor that is involved in mitochondrial protein synthesis. Polymorphism in this gene is associated with the onset of Parkinson's disease. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 5. [provided by RefSeq, Oct 2009]
Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, and 4 encode the same protein.