

Product datasheet for **SC322659**

Mitochondrial Translational Initiation Factor 3 (MTIF3) (NM_152912) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mitochondrial Translational Initiation Factor 3 (MTIF3) (NM_152912) Human Untagged Clone
Tag:	Tag Free
Symbol:	Mitochondrial Translational Initiation Factor 3
Synonyms:	IF3mt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322659

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GGGACTCGCCGCGAGATCCGCTGTACTTGGCTCCGCTACAGTATGTCAATCGCTTGCCCCA
GCACAGCTGTCTATTCTTCTACAGAAGAGCTTCTCCTCATCAACTGGGGATGATTACAG
TTCTTCTCTAAAAAAGGATGGCTGCTCTTTTCTAAAGAGGTTAACTACTACAACTGTAAA
GTCTGAAAATAGTTGCATTAGATGTTTTGGTAAACACATCCTGCAAAAGACAGCACCAGC
ACAGTTGTCCCCTATTGCTTCTGCCCCAAGACTCTCCTCCTAATTCATGCAAAAGCCTT
TAGTACCGCTGAAGACACCCAGAATGAAGGAAAAAAGATAAAAAAGAATAAACAGCTTT
TAGTAACGTTGGAAGAAAAATTAGTCAGCGAGTTATTCACCTATTTGATGAGAAGGGCAA
TGATTTGGGAAACATGCACCGAGCAAAATGTGATTAGACTTATGGATGAGCGAGACCTGCG
ACTGGTTCAAAGGAACACCAGCACAGAACCTGCAGAGTATCAGCTCATGACAGGATTGCA
GATCCTCCAGGAGCGGCAGAGGCTGAGGGAGATGGAGAAGGCGAACCCCAAACTGGACC
AACCCTGAGAAAGAACTGATTTTGTCTTCAATATTGGACAACATGATTGGACACAAA
GACTAAACAGATTGAGCAGTGGATTAAGAAAAAACCTAGTCCAGATTACCATAAAGAA
AGGAAAAAATGTAGACGTGTGAGAAAAATGAAATGGAGGAGATATTTATCAAAATACTCCA
GACTATGCCTGGAATAGCTACATTCTCATCTAGGCCACAAGCTGTTCAAGGAGGAAAAAGC
TTTAATGTGTGTTCTTCGTGCTTTGAGCAAAATGAGGAGAAGGCATATAAGAAACTCA
AGAGACCCAGGAAAGAGACACTTTGAACAAAGACCATGGAAATGATAAGGAATCAATGT
TCTGCATCAGTAATTTTAATAAAGAAAAGCATGCTCTGAGAGAAAAA

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Restriction Sites:	Please inquire
ACCN:	NM_152912
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).



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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:	<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_152912.3, NP_690876.2</u>
RefSeq Size:	1018 bp
RefSeq ORF:	837 bp
Locus ID:	219402
UniProt ID:	<u>Q9H2K0</u>
Cytogenetics:	13q12.2
Domains:	IF3_N
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, and 4 encode the same protein.</p>