

Product datasheet for **SC201684**

EIF3F (NM_003754) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	EIF3F (NM_003754) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	EIF3F
Synonyms:	eIF3-p47; EIF3S5; MRT67
ACCN:	NM_003754
Insert Size:	2000 bp



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Insert Sequence:

>SC201684 3'UTR clone of NM_003754

The sequence shown below is from the reference sequence of NM_003754. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
GCACTCAATGAAAACTTGTAACCTGTGAATGGACCCCAAGCAGTACACTTGCTGGTCTAGGTATTAA
CCCCAGGACTCAGAAGTGAAGGAGAAATGGGTTTTTTGGTCTTGAGTCACACTGAGATAGTCAGTTG
TGTGTGACTCTAATAACGAGCCTACCTTTTGTAAATTAATTTTCATCTTATGTGAGTTTATTGCCGGG
TGAAGGGAGGAAAAATGTTTGTAGATCACACAGAACTAGGAAGTGAATATTGTAGGTAGAGAAGTTGGT
TATGTGTTTGGCATGTTACTGTTTTACCAACTGTTCTTTTGGTTTTCAATATGGAAGGTGCCATTG
GCAAAACAACCTTTTCTGAGGATTCATGTGATTCTACAGGAAATGAAAATAAGAATCCATGGAGAAA
AAATAGCTAAGAAAATTGGATGCTTAATCTGAACTAAAAGAGTAGAGTGTGTAGTCACTATCTTAAAT
ACATTAATAGTAAGATGGAGCTTTTGCCACTTTGGTTCGGGGAGGCAGAATTAAGATCTGTGGGTAA
AGATTAAGAGGTTTCCCAAACTTCAGAAAATCTTAGGTGCTATCTGTAACCGAGGATAGAGCCT
TGAGTTATACTGAGGTCTGCCAGTGGCTCAATTAAGCAAAGACTAGATGGCATTCCCAGAGGCCCTTG
TAGGCTAGAGTACTTGCCTGTGTAACCTCAGACATCCATTTCTCTGGTATCCTGGAGTTCGCCTCGC
CACTGTGTGCTTAGAAAATAGTCATTATTCAAGAAGTCAAGAAATATACGTTGGAGTGAAGGTTGA
GTGAAGGCAATGGGGAATCAAAAAGGCCTGGATCCTAGTTCTGAGGTATGTGTAGCCTTAGGAAAGATA
AATTATAAGAGTCATAAGATATGGATCATAAACATACATAGTCCATTAGGGTATTATGAGGATCCATG
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CTCAGTTCTGAGATATGTACCTCAGGAAATATAAGTTATGGGAGTCATAAAGTGTGGATAGTAATGATA
GATAATTTCTTACAGGTAGGGAATGTAACAGATCTTATCGGCAAAATGATAATGACAGGCCAAATTTG
TTAAAGGTAGGTTAAAAGTAGACAGCATGGTGGGAAGGTTAATCAGAGTCAAAATGTTTCAGTGTCTT
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AATTGCTAGAAGTATATATAATCTCTCAATGAATAGTGTAGAGATGGTGGGATAATAGGGAAGAAAC
AAAATTTAAATTTGAGAAAATAGCATAGAAAAGTGGATAAAAACAAAAGATGGCAAAACAAGTCCAAA
TAGATCAGTAATTACAATAAATGTATAAGTATTAAGTAACTAGCCCAAGGAAAAATTTGAATATTAACAAA
CCCCAATCATATGCTGTTTACAGGAGACACATCTAAAACAAGGACATAAAGTTGCTGCAGCTGTGAG
TAACAATATAGGTGAATGTTAATAATAATGTTGAATGAAAAAAGCTGGTGTGAGAAGACATGTACATTA
TGATACTCCAGAAGTTCAAAAACAAGTGAACCTGTTTAGACATGCGGTTGGCTGTCTGTATATGTGGG
TTCCACATCTATGGACTCAACCACTACAGGTTGAAAATATTGAGGGGGAAAAATTGTGTCTGGACTAAA
CCTGTACAGACATTTTTCTTGTGATTTTTCCCTAAACAATACAAAGTATTAGATGGTGTTTATACTGT
ATTCGGTATTATAAGTAATCTAGAGATGACTTAAAAGTATATGAGAAGGTATGCACAGGTTATATCCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
    
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Restriction Sites:

Sgfl-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_003754.3](#)

Summary:

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632, PubMed:25849773, PubMed:27462815). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA_i and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed:17581632). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed:25849773).[UniProtKB/Swiss-Prot Function]

Locus ID:

8665

MW:

77