

Product datasheet for **SC117797**

EIF4EBP3 (NM_003732) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF4EBP3 (NM_003732) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIF4EBP3
Synonyms:	4E-BP3; 4EBP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117797 sequence for NM_003732 edited (data generated by NextGen Sequencing) ATGTCAACGTCCACTAGCTGCCCGATTCCCGGGGCGGGACCAGCTGCCCGACTGCTAC AGCACCACGCCGGGGGACGCTATACGCCACTACCCCGGAGGCACCAGGATCATCTAC GACCGAAAGTTCTGCTGGAGTGCAAGAACTCACCCATTGCCCGACACCCCTGCTGC CTCCCTCAGATCCCGGGGTCAAACTCCTCAAACAGCCCTCTCTCAAAGCTGGAGGAG CTGAAGGAGCAGGAGACAGAGGAAGAGATACCCGATGACGCACAATTTGAAATGGACATC TAA Clone variation with respect to NM_003732.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003732 unedited</p> <pre> NTGTTCAAAATTTGTNATACGAACCTACTATAGGGCGGCCGGAATCGGCACCAGCGGCT GAGTCCGCCTCAGACTCAGAGCTGCGCTCCTCGACCTCAACGCCAGGCGGTTACTTTGCT GCTCCTCCCGCTCGCTATGTCAACGTCCACTAGCTGCCGATTCCCGGGGGCCGGACCA GCTGCCGACTGCTACAGCACCACGCCGGGGGACGCTATACGCCACTACCCCGGAGG CACCAGGATCATCTACGACCGAAAAGTTCTGTGGAGTGCAAGAACTCACCCATTGCCCG GACACCCCTGCTGCCCTCCCTCAGATCCCGGGGTCAACAACCTCCAACAGCCCTCT CTCCAAGCTGGAGGAGCTGAAGGAGCAGGAGACAGAGGAAGAGATACCCGATGACGCACA ATTTGAAATGGACATCTAATCCAGTGCAGATGACCTGGCATGTGGAGTTACAGAGGGATC CCTCATGCCACTGCTGCCACCACCTCTTCTGGGGCATCCAAAGGCCAGCTGGCCTCATC TAATCTGGAAGGGAGTGACTTGCTAGTTCCAGGCTCCTTTAGTTCTGAGGCAGCTAGAC CAGGGATAGGAGTGGGGCAACTTGCCAAGCCCTTAACCTACTTCTCCTCCTCAGTCTGTGG TACTCCTCCCTAACCCCTAAACCCTCTATGCTCAGGGGCTGGAAGTGNCGAATGGAGTAAG TCACCTTCTGACTGCTTAGTAAACTCAAACCCCAAAAAACCCACACAAAAAACTCGA CTCTAGATGGCGCCCGGTCATACCTGTTTCTGAAAGATCCCGTGTGCAATCCTGGGAC CCCTCCCAGGCCTTCTGGCCTTGAAGTGCACCTCCATGCCACCACCTGTCTAAAAA ATAAGTGACATTCTGCCGACTAGGGCCCTTATA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003732 unedited</p> <pre> ACTATGGACCCGCGCCGAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTGAATGGTTACTAAGCAGTCAGAAGGTGACTTACTCCATTCCCCAGTTCAGCCCTGA GCATAAAGGGTTTAGGGTTAGGAGGAGTACCACAGACTGAAGAGGAAGTAGAGTTAAGGG CTTGGCAAGTTGCCCACTCCTATCCCTGGTCTAGCTGCCTCAAAACTAAAGGAGGCTGG AACTAACAAAGTCACTCCCTTCCAATTAATGAGGCCAGCTGGCCTTTGGATGCCCCAGG AAAAGGTGGTGGCAGCAGTGGCATGAGGGATCCCTCTGTAACCTCACATGCCAGGTCATC TGCACTGGATTAATGTCCATTTCAAATTTGTGCGTCATCGGGTATCTCTTCTCTGTCTC CTGCTCCTCAGTCTCCTCAACTTGAAAGAGGGGCTGTTGGAGGAGTTGTGACCCCGGG AATCTGAGGGAGGCAGCAGGGGGGTGTCGGGGCAATGGGTGAGTCTTGCCTCCAGCAG GAACCTTTCGGTCGTAGATGATCCTGGTGCCTCCGGGGTAGTGGCGTATAGCGTGCCCCC CGGCGTGGTGTGTANCAGTCGGGCAGCTGGTCCCGCCCGGGGAATCGGGCAGCTAGT GGACGTTGACATATCGAGCGGGAGGAGCAGCAAAGTTACCGCCCTGCGGTTGAAGTCCAG GGACCGCACCTTCTGATCTGAAGGGGACTCAACCGCTTTGGTGCCAAATCCCGCCCCC CCTATAATGAAGCCGAATTACCAAATTTGACCGGTTACTTAAAGAACTTTGTTATTAA AACCTTCCACCGTACACCCTACCGCCATTTTGTAAACGGGGGGGGGTTATTAACAC TTTTGGAAAAGCCCCCTGTTTCGTGCGCCCAACAACCTCCCTTGACGTTAATGGGG TGAACCTCGCAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_003732
Insert Size:	720 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: [NM_003732.2](#), [NP_003723.1](#)

RefSeq Size: 728 bp

RefSeq ORF: 303 bp

Locus ID: 8637

UniProt ID: [O60516](#)

Cytogenetics: 5q31.3

Gene Summary: This gene encodes a member of the EIF4EBP family, which consists of proteins that bind to eukaryotic translation initiation factor 4E and regulate its assembly into EIF4F, the multi-subunit translation initiation factor that recognizes the mRNA cap structure. Read-through transcription from the neighboring upstream gene (MASK or ANKHD1) generates a transcript (MASK-BP3) that encodes a protein comprised of the MASK protein sequence for the majority of the protein and a different C-terminus due to an alternate reading frame for the EIF4EBP3 segments. [provided by RefSeq, Oct 2010]