

Product datasheet for **SC101093**

EIF4E3 (NM_173359) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF4E3 (NM_173359) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIF4E3
Synonyms:	eIF-4E3; eIF4E-3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC101093 sequence for NM_173359 edited (data generated by NextGen Sequencing)

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ATGAGAGGAGAGAGGCGACCACCTTTGGGAAGAGGAGAGTAATGCAAAGGGTGGCGTATGG
AAGATGAAAGTCCCAAGGACAGCACGTCACAGTTTGGAAAGAGTTGCTGTTAGCAACC
ATCGGGGAACAGTTCACAGACTGTGCCGACGAGATGATGAAGTAATAGGAGTTAGTGTC
AGTGTTCCGGACCGAGAAGACGTCGTCCAAGTCTGGAATGTAATGCCTCTTTAGTGGGT
GAAGCGACTGTTTTAGAAAAGATCTATGAACTTCTGCCCCACATAACTTTTTAAAGCAGTA
TTTTATAAACCCCATGAAGAGCATCATGCTTTTGAAGGTGGACGTGGAACACTAA
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Clone variation with respect to NM_173359.4

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173359 unedited TTTTGTACCCTTCTCACTATAGCGGCCGCGAATTCGCACGAGCTCAGGGCTGTGGGT CACCTTCTCTTCTCTCTGCCACCCCAAGTCGTCTGTGTTGCGTGTGCATGCAGTGG ACAGCAGTGGTCCGGACCTCAAGTACCCACGTTCTAGTCCCCTCTGTCATTTCT AGAGCTGTGGCCTCGGATCCCTCCCTGGTCCACAGCAGCTGAGTGGCATCAAATCTGA AGAAAATCTACACAGTACAGACAGTACAGATATTTGGAGTGTATACAATAATATCCCTC CTGTGACTAGCCTGCCTTTGAGATGTAGTTATCATTTAATGAGAGGAGAGGCGACCAC TTTGGGAAGAGGAGAGTAATGCAAAGGGTGGCGTATGGAAGATGAAAGTCCCAAGGACA GCACGTCCACAGTTTGGAAAGAGTTGCTGTTAGCAACCATCGGGGAACAGTTCACAGACT GTGCCGACGAGATGATGAAGTAATAGGAGTTAGTGTGAGTGTTCGGGACCGAGAAGACG TCGTCCAAGTCTGGAATGTAATGCCTCTTTAGTGGGTGAAGCGACTGTTTTAGAAAAGA TCTATGAACTTCTGCCCCACATAACTTTTTAAAGCAGTATTTATAAACCCCATGAAGAGC ATCATGCTTTTGAAGGGTGGACGTGGAACACTAATTGCACTCTGTAAGAATTCTTTG TCCTTTGCTGATTGGTTTTGAAACGGTCTTAACAGAGGGAGAGTGAAGAGAAGACTTGC CCGAGCCGATGCTGGTCAATTANNAGTGGGTTTCTGCTTGCAGATGGGGCATTAGACT CAAGTGGCAGTGGGTGGGGGATTTTTNNNNNNNTNNTTTTT
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Restriction Sites:	NotI-NotI
ACCN:	NM_173359
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_173359.3, NP_775495.1</u>
RefSeq Size:	2781 bp
RefSeq ORF:	357 bp
Locus ID:	317649
UniProt ID:	<u>Q8N5X7</u>
Cytogenetics:	3p13
Gene Summary:	<p>EIF4E3 belongs to the EIF4E family of translational initiation factors that interact with the 5-prime cap structure of mRNA and recruit mRNA to the ribosome (Joshi et al., 2004 [PubMed 15153109]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) differs in its 5' UTR and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus, compared to isoform a. Variants 2-5 encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>