

Product datasheet for **SC107610**

EIF5 (NM_183004) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF5 (NM_183004) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIF5
Synonyms:	EIF-5; EIF-5A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_183004, the custom clone sequence may differ by one or more nucleotides

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ATGTCTGTCAATGTCAACCGCAGCGTGTGACACCAGTTCTATCGCTACAAGATGCCCGTCTGATTGCCA
AGGTTGAGGGCAAAGGCAATGGAATCAAGACAGTTATAGTCAACATGGTTGACGTTGCAAAGGCGCTTAA
TCGGCCTCCAACGTATCCACCAAATATTTTGGTTGTGAGCTGGGAGCACAGACCCAGTTTGATGTTAAG
AATGACCGTTACATTGTCAATGGATCTCATGAGGCGAATAAGCTGCAAGACATGTTGGATGGATTGATTA
AAAAATTTGTTCTCTGTCCTGAATGTGAGAATCCTGAAACAGATTTGCATGTCAATCCAAAGAAGCAAAC
AATAGGTAATTCTTGAAAGCCTGTGGCTATCGAGGCATGCTTGACACACATCAAACTCTGCACATTC
ATTCTCAAAAACCCACCTGAGAATAGTGACAGTGGTACAGGAAAGAAAGAAAAGAAAAGAAAACAGAA
AGGGCAAAGACAAGGAAAATGGCTCCGTATCCAGCAGTGAGACACCACCACCACCACCACCAATGA
AATTAATCCTCCTCCACATACAATGGAAGAAGAGGAGGATGATGACTGGGGAGAAGATACAACCTGAGGAA
GCTCAAAGGCGTCGAATGGATGAAATCAGTGACCATGCAAAGTTCTGACACTCAGTGATGATTTGGAAA
GAACAATTGAGGAGAGGGTCAATATCCTCTTTGATTTTGTAAAGAAAAGAAAGAAGAGGGTGTATTGA
TTCATCTGACAAAGAAATCGTTGCTGAAGCAGAAAGACTGGATGTAAAAGCCATGGGCCCTCTTGTCTA
ACTGAAGTTCTTTTTAATGAGAAGATTAGAGAACAGATTAAGAAATACAGGCGCCATTTCTACGATTTT
GTCACAACAACAAAAAGCCCAACGGTACCTTCTTCATGGTTTGGAGTGTGTGGTAGCAATGCATCAAGC
TCAGCTTATCTCCAAGATTCACATATCTTGAAGGAGATGTACGATGCAGACCTTTTGAAGAAGAGGTC
ATCATCAGCTGGTCGAAAAGGCCCTTAAGAAATATGTCTCAAAGAAGAACTTGCCAAAGAGATTCGTGTCA
AAGCAGAACCATTATAAAATGTTGAAGGAGGCAGAGGAAGAATCTTCTGGTGGCGAAGAAGAAGATGA
AGATGAGAACATTGAGGTGGTGTATTGAAAGGCTGCCAGTGTACCAGAAAGTTGAGACTGTAAAGTCAGAC
AACAAAGGATGACGACATCGATATTGATGCCATTTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_183004 unedited GGGGGCACTGTATTCGGCACCAGCTGGGGCCGAGGGTAGCTTGAGCGCGGCGGCGCGTT GTTTCAGTCAGAGCGAGAACATTCAGAGGTCGCCCCGGCCGCTCCTCGCTGCGCTTCGCT CCGCCTCCTCGGACTCGGACTCGGGTTTATATCGCGCCTCACTTCATCCCAGTCCCAGGC GAGCAGCGTTGGGTTTATGGCTCCATTTGACGAAAACGAGCTGTTGCGCAGCCATTGGTA CCTGTATTGGGAAACATAGCATACAAGCAAGAAGCTTACAGCCTCAGTGGCGAAAATTT TTTCATGTCAGAGACCGAGAACTCTTGCACTCGTTTATGTCATCCCTTCTTCTCCAGACA GAAGATACCAAAAAGTTGCAATCAAAGATCTTTCATCTTATTGATAAAGCCACTAATAA GCCAAAATGTCTGTCAATGTCAACCGCAGCGTGTGACAGCAGTTCTATCGCTACAAGATG CCCCGTCTGATTGCAAGGTTGAGGGCAAAGGCAATGGAATCAAGACAGTTATAGTCAAC ATGTTGACGTTGCAAAGGCGCTTAATCGGCCTCCAACGTATCCCACCAATATTTTGGT TGTGAGCTGGGAGCACAGACCCAGTTTTGATGTTAAGAATGACCGTTACATTGTCAATGG ATCTCATGAGGCGAATAAGCTGCAAGACATGTTGGATGGATTC
Restriction Sites:	NotI-NotI
ACCN:	NM_183004
Insert Size:	4700 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:	<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_183004.3</u> , <u>NP_892116.2</u>
RefSeq Size:	5782 bp
RefSeq ORF:	1296 bp
Locus ID:	1983
UniProt ID:	<u>P55010</u>
Cytogenetics:	14q32.32

Gene Summary:

Eukaryotic translation initiation factor-5 (EIF5) interacts with the 40S initiation complex to promote hydrolysis of bound GTP with concomitant joining of the 60S ribosomal subunit to the 40S initiation complex. The resulting functional 80S ribosomal initiation complex is then active in peptidyl transfer and chain elongations (summary by Si et al., 1996 [PubMed 8663286]).[supplied by OMIM, May 2010]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein. 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.