

Product datasheet for **MC205811**

Eif3c (NM_146200) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Eif3c (NM_146200) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Eif3c |
| Synonyms: | 110kDa; 3230401O13Rik; Eif3s8; NIPIL(A3); NipilA3; Xs; Xsl |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC024855
 GGACTCGGCAGCTTAGCTGGTCCGGCCGCGAGCGCCTCAGCCCTTCAGCGCCGTCGCCATGTCGCGATT
 CTTACCACCCGGCTCGGACAGTGAGTCGGAGTCGTCCTGTCCGGGGAGGAGCTCGTCACCAAACCGGTC
 TCCGGGAACACGGCAACAGCCTTTGTTACTGAGCGAGGATGAGGAGGATACAAAGAGAGTTGTCCGAA
 GCGCCAAGGACAAGAGGTTTGGAGAGCTGACCAACCTCATACGAACCATCCGTAATGCCATGAAGATTG
 AGATGTCACCAAGTGTCTAGAAGAGTTTGGAGCTCCTGGGAAAGGCCTATGGGAAAGCCAAGAGTATTGTG
 GATAAGGAAGGTGTCCCCGATTCTACATCCGAATACTGGCTGACCTGGAGGACTATCTTAATGAGCTTT
 GGGAAGATAAAGAAGGAAAGAAGATGAATAAAAAACAACGCCAAGGCTCTGAGTACCTTGCGCCAGAA
 GATCCGGAAATACAACCGAGATTTGAGTACACATCACCAACTACAAGCAGAACCCTGAGCAGTCTGCA
 GATGAAGATGCAGAAAAGAAATGAGGAAGACTCCGAAGGCTCTTCAGATGAGGATGAGGACGAGGACGGAG
 TCGGTAATACGACTTTCTTGAAGAAGAAGCAAGAAATCTTCTGGAGAGAGTCGGAAGTTCCACAAAAAGAT
 GGAAGATGATGATGAGGACTCTGAAGATTCTGAAGATGAAGAATGGGACACCAGCTCCACATCTTCTGAT
 TCAGACTCTGAGGAAGAAGAAGGAAAAACAACCTGTTCTGGCCTCAAAGTTCCTAAAAAGGCACCCACTA
 CAGAGGAGGACAAAAAGCAGCTGAAAAGAAACGGGAAGACAAAGCCAAGAAGAAGCAGATAGGAAGTC
 TAAGCGCCTGGATGAGGAAGAGGAGGACAATGAGGGCGGGGAGTGGGAACGGGTCGAGGTGGCGTACCA
 CTTGTTAAGGAAAAGCCAAAAATGTTTGCAGGGAACTGAGTACTCATGCTGTTGTCATCAAGAAAC
 TGAATGAGATTCTACAGTCTCAGAGGCAAGAAGGGAACAGACCCGTCGCCACTCAGATTGAATTGCTCCAGCT
 GCTGGTTCAGATTGCTGCTGAAAACAACCTGGGGTGGCGCTATTGTCAGATCAAGTTCAATATCATT
 GCCTCTCTACGATTACAACCCTAACCTGGCCACGTACATGAAGCCAGAGATGTGGCAGATGTGCCTAG
 ACTGCATCAATGAACTGATGGATACGTTGGTTGCACATCCAACATCTTTGTTGGAGAGAACATTTTGGGA
 AGAGAGTGAGAACTTACACAACCTTTGATCAGCCACTGCGTGTACGAGGCTGCATCCTAACCTTTGGTGGAG
 CGAATGGATGAAGATTTACCAAATAATGCAAAATACTGATCCTCACTCCCAAGAGTATGTGGAGCACC
 TGAAGGATGAGGCACAAGTGTGTCCATCATTGAGCGAGTGCAGCGCTACCTGGAGGAAAGTACCAC
 TGAGGAGATCTGCCAGATCTACTTAAGGCGCATCCTGCACACGTACTACAAGTTTACTACAAGGCCCAT
 CAGCGGCAGCTTACTCCTCCTGAAGGATCCTCAAAGTCTGAGCAAGACCAGGCAGAAAATGAGGGTGGAG
 ACTCAGCTGTGCTAATGGAAAGACTGTGCAAGTACATCTATGCCAAGGACCGTACAGACCGGATCCGTAC
 CTGTGCCATCCTCTGCCATATCTACCATCATGCGCTCCACTCCCCTGGTATCAGGCCCGTGACCTCATG
 CTCATGAGCCACCTACAGGACAACATTCAGCACGACAGCCGCGGTCAGATCCTGTATAACCGTACTA
 TGGTGAACCTGGGCATCTGTGCTTCCGCCAAGGCTGACAAAGGATGCACACAATGCACCTCTGGATAT
 TCAGTCAAGTGGTCGTGCCAAGGAGCTTCTAGGTCAGGGTCTGCTGCTGCGCAGCCTGCAGGAGCGAAAT
 CAGGAACAGGAAAAGGTAGAGCGACGCCGCGAGGTGCCCTTTCACCTGCACATCAACCTGGAGCTGCTGG
 AGTGTGTCTATCTGGTGTGAGCTATGCTCCTGGAGATCCCTACATGGCTGCCATGAGAGCGATGCCCG
 CCGACGCATGATCAGCAAGCAGTTCACCACCAACTGCGGGTGGGCGAGCGGCAGCCCTGCTAGGTCTCT
 CCCGAGTCAATGAGGGAGCATGTGGTCGCTGCCTCCAAGGCCATGAAGATGGGCGACTGGAAGACCTGCC
 ACAGTTTCATCATTAAATGAAAAGATGAATGGGAAAGTGTGGGACCTTTTCCCTGAGGCTGACAAAAGTTG
 CACCATGCTAGTTCGGAAGATCCAGGAAGAGTCTCTGAGGACCTACCTTTTACCTACAGCAGTGTCTAT
 GACTCAATCAGTATGGAGACACTATCAGATATGTTTGGAGCTGGATCTACCCACTGTTCACTCCATCATCA
 GCAAGATGATCATTAAACGAAGAATTGATGGCTTCCCTGGACCAGCCGACACAGACTGTGGTATGCACCG
 TACTGAGCCCACTGCCAGCAGAACTTGGCTCTGCAGCTGGCTGAGAAGCTTGGCAGCCTAGTGGAGAAT
 AATGAACGGGTGTTTACCATAAGCAGGGAACCTATGGTGGCTATTTCCGAGACCAAAAGGATGGCTACC
 GAAAAAATGAAGGCTATATGCGCGTGGTGGCTACCGCCAGCAGAGTCTCAGACAGCCTACTGAGTTCT
 CCACTTCACTACCCTGTGAACAGACCATCTAGCCTTTTGTCTCTAACTACCCCAAGTCAATTAAGATCT
 GTTGAGAAATTTAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_146200
Insert Size: 2736 bp

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| 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: | BC024855 , AAH24855 |
| RefSeq Size: | 2896 bp |
| RefSeq ORF: | 2736 bp |
| Locus ID: | 56347 |
| UniProt ID: | Q8R1B4 |
| Cytogenetics: | 7 F3 |
| Gene Summary: | Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. 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. 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.[UniProtKB/Swiss-Prot Function] |