

Product datasheet for **MC206803**

Eif4b (BC007171) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif4b (BC007171) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eif4b
Synonyms:	2310046H11Rik; AL024095; C85189; Eif4a2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC007171

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GAATAAGAAGGGGAAGACCATCTCCCTAACAGACTTTCTAGCTGAGGATGGAGGACCTGGTGGAGGAAGC
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GCACCCTGTGCTTTCCTAGTCTCCACCCCGAACATTCAAGAGCAAATCAAACCTCTATCCAGACAAG
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TGAAAAAAAAAAAAAAAAA
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- Restriction Sites:** RsrII-NotI
- ACCN:** BC007171
- Insert Size:** 1092 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:** [BC007171](#), [AAH07171](#)
- RefSeq Size:** 3658 bp

RefSeq ORF: 1092 bp

Locus ID: 75705

Cytogenetics: 15 F2

Gene Summary: Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F (By similarity).[UniProtKB/Swiss-Prot Function]