

## Product datasheet for **MC200488**

### **Eef2 (NM\_007907) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eef2 (NM_007907) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eef2
Synonyms:	Ef-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC007152 sequence for NM\_007907  
 CCGACGCGTGGGGCCGCCCATCGTCGGCGCGCTTCCCTGTTACCTCTGACTCTGAGAATCCGTCGCC  
 ATCCGCCACCATGGTGAACCTTACAGTAGATCAGATCCGTGCCATCATGGACAAGAAAGCCAACATCCGG  
 AACATGTCAGTCATCGCCCATGTGGACCACGGCAAGTCCACGCTGACCGACTCCCTTGTGTGCAAGGCTG  
 GCATCATTGCCTCTGCCCCGAGCTGGGGAGACGCGCTTCACTGACACTCGAAGGATGAGCAGGAGCGCTG  
 CATCACAATCAAATCCACCGCCATCTCCCTCTTCTACGAGCTCTCTGAGAACGACCTGAACCTTCTTAAG  
 CAGAGCAAGGATGGCTCGGGCTTCCCTCATCAACCTCATCGACTCTCCAGGCCATGTGGACTTCTCTCAG  
 AGGTGACAGCTGCCTTGGGTGTACCCGATGGAGCTCTGGTGGTGGACTGTGTGTCTGGCGTGTGTGT  
 GCAGACAGAACTGTGCTGCGCCAGGCCATCGCTGAACGCATCAAGCCCCTCCTGATGATGAACAAGATG  
 GACCGGGCCCTGCTGGAGCTGCAGCTGGAGCCCGAGGAGCTCTACCAGACCTTCCAGCGCATCGTGGAGA  
 ACGTCAACGTCATCATCTCTACCTACGGCGAGGGCGAGAGTGGGCCCATGGGCAATATCATGATTGACCC  
 CGTCTGGGCACCGTAGGCTTTGGTTCTGGCTGCATGGCTGGGCCTTACCCTGAAGCAGTTTGGCGGAG  
 ATGTATGTGGCCAAGTTTGCAGCAAGGGTGGGGCCAGCTGAGCGCAGCCGAGCGTGCCAAGAAAGTAG  
 AGGACATGATGAAGAAGCTGTGGGGAGACCGGTACTTTGATCCGGCCAATGGCAAGTTAGTAAGTCAGC  
 CAATAGCCAGATGGGAAAAAATTTCCCGCACCTTCTGCCAGCTCATCTGGACCCCATCTTCAAGGTG  
 TTCGACGCCATCATGAACCTTCAAGGAGGAGGAGACAGCCAAGCTGATCGAGAAGCTGGACATCAAGCTGG  
 ACAGCGAGGACAAAGACAAGGAGGGCAAGCCATTGCTCAAGGCTGTGATGCGCCCGTGGCTGCCTGCAGG  
 GGACGCCCTCCTGCAGATGATCACCATCCACTTACCATCCCCCGTCACTGCACAGAAGTACCCTTGTGAG  
 CTGCTATACGAGGGGCTCCCGACGATGAGGCCCGCATGGGTATTAAGAGCTGCGACCCCAAGGCCAC  
 TTATGATGTACATTTCCAAGATGGTGCCAACTCTGACAAAGGCCGCTTCTATGCCTTTGGTAGAGTGT  
 CTCTGGGTGGTTCACGGGCTGAAGTCCGGATCATGGGCCCAACTACACGCTGGGAAGAAAGAG  
 GACCTATACCTGAAGCCTATCCAGAGAACCATTCTGATGATGGCCGCTACGTGGAGCCGATTGAGGACG  
 TGCCATGTGAAACATTTGGGGCTGGTGGAGTGGACCAGTTCCTTGTGAAGACGGGGACCATCACTAC  
 CTTTGAGCACGCTCACAACATGCGCGTGAAGTTTCAAGCTCAGCCCTGTCGTCGCTGGCAGTGGAG  
 GCCAAGAACCAGCTGACCTGCCAAGCTGGTGGAGGGGCTGAAGCGGCTGGCTAAGTCTGACCCTATGG  
 TGCAGTGCATCATTGAGGAGTCTGGAGAACATATTATTGCTGGCGCCGGTGGAGTGCACCTGGAGATCTG  
 CCTAAGGACCTGGAGGAGGACCATGCCTGCATCCCCATCAAGAAATCTGACCCTGTTGTGCATATCGG  
 GAGACAGTCAGTGAAGATCCAACGTGCTGTGTCTGTCCAAGTCCCCAATAAGCACAACCGGCTGTACA  
 TGAAGGCCAGGCCCTTCCCTGATGGCTGGCAGAGGACATCGATAAGGGTGGAGTGTCTGCCCGCCAGGA  
 GCTCAAGGCACGTGCCCGCTACCTGGCCAAAAGTATGAGTGGGACGTTGCTGAAGCCCGCAAGATCTGG  
 TGCTTTGGCCCTGATGGCACTGGCCCCAACATTCTCACCAGCATACCAAGGGTGTGAGTACCTGAATG  
 AGATCAAGGACAGTGTGGTGGCTGGCTTCCAGTGGGCTACTAAGGAGGGCGCTCTCTGTGAGGAAAACAT  
 GCGTGGTGTGCGGTTTGTGTTGATGTTGATGTTGACCTGCATGCTGATGCCATTACCCGGGGAGGTGGCCAG  
 ATCATCCCCACAGCAGCCGCTGCCTGTATGCCAGTGTGCTGACCGCACAGCCCCGCTCATGGAGCCTA  
 TCTATCTGGTGGAGATCCAGTGTCTGAGCAAGTGGTGGTGGCATCTACGGTGTCTGAACAGGAAGCG  
 TGGCCATGTGTTGAGGAGTCCCAGGTGGCTGGTACCCCATGTTTGTGGTCAAGGCATACCTGCCTGTC  
 AATGAGTCTTTGGCTTACCCGCTGATCTGCGATCCAACACCGGGCGCCAGGCCCTCCCCAGTGCCTGT  
 TTGACCACTGGCAGATCCTGCCTGGGGATCCTTTTGACAACAGCAGCCGCCAGCCAAGTGGTAGCTGA  
 GACGCGCAAGCGCAAGGGCCTGAAAGAGGGCATCCAGCGCTGGACAACCTCCTGGACAAACTGTAGGCA  
 GCCTGATACTGCCACATGCTGCACAGTGGCCACCCATCAGAAGACACCTTGAGACTGTCCCACAGTGTCT  
 CTCTAGAGGCTGCTGGGGCCACCCTGACATCACTCAGCACTCACTTGGTACCAATTCTATTTATTTTCGGA  
 ATTACAAGATAGCGGAAATCTCTCTGCAGGCTGGACTGGCAGGCTGTGGGGTGGGCGGGACAGGCTCTT  
 AACATTTTTCAGAGGAAACGCGCAGATGTCCAAAAGTCTAAATAAATGCATTCAGAGTTTTTGGGGTCC  
 ATGGCCAAGTGGAGTTCCCCCAGAGGGGAGGTGGGGTAAAGTGCCTCCAGGAAGGCAGGCAGCCTGCCTT  
 AGACTTGCAGCCCGCTGTGGGAATGAATCATTGGAGTAATAAACTACAGTGGTTGATCCAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_007907  
**Insert Size:** 2577 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC007152</a> , <a href="#">AAH07152</a>
<b>RefSeq Size:</b>	3111 bp
<b>RefSeq ORF:</b>	2577 bp
<b>Locus ID:</b>	13629
<b>UniProt ID:</b>	<a href="#">P58252</a>
<b>Cytogenetics:</b>	10 C1
<b>Gene Summary:</b>	Catalyzes the GTP-dependent ribosomal translocation step during translation elongation. During this step, the ribosome changes from the pre-translocational (PRE) to the post-translocational (POST) state as the newly formed A-site-bound peptidyl-tRNA and P-site-bound deacylated tRNA move to the P and E sites, respectively. Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome.[UniProtKB/Swiss-Prot Function]