

## Product datasheet for **RN202878**

### **Eef2 (NM\_017245) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eef2 (NM_017245) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Eef2
Synonyms:	Ef-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202878 representing NM\_017245  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGAACCTCACAGTAGATCAGATCCGTGCCATCATGGACAAGAAAGCCAACATCCGGAACATGTCAG  
 TCATCGCTCACGTGGACCACGGCAAGTCCACGTTGACCGACTCCCTTGTGTGCAAGGCTGGCATCATCGC  
 CTCTGCCCGAGCCGGGAGACACGCTTCACTGACACTCGAAAGGATGAGCAGGAGCGCTGCATCACCATC  
 AAGTCCACTGCCATCTCCCTCTTCTATGAGCTCTCCGAGAACGACCTGAACCTCATTAAAGCAGAGCAAGG  
 ATGGCTCGGGCTTCTCATCAACCTCATTGACTCTCCAGGTCATGTGGACTTCTCCTCAGAGGTGACCCG  
 TGCTCTGCGTGTCACTGATGGAGCACTGGTGGTGGTGGACTGTGTGTCTGGTGTCTGTGTGCAGACAGAG  
 ACAGTGTGCGGCAGGCCATCGCTGAGCGCATCAAGCCCGTGTGATGATGAACAAGATGGACCGGGCCC  
 TGCTGAACTGCAACTGGAGCCTGAGGAGCTCTACCAGACCTCCAGCGCATCGTGAGAACGTCAATGT  
 CATCATCTCCACCTATGGCGAGGGCGAGAGTGGACCCATGGGCAATATCATGATCGATCCTGTCCCTGGGC  
 ACTGTAGGCTTTGGCTCTGGCCTGCATGGTGGGCCTTACACTGAAGCAGTTTTCAGAGAGATGATGTGG  
 CCAAGTTTGCAGCCAAGGGTGAAGGCCAGCTGGGTGCAGCTGAGCGGGCCAAGAAGGTAGAAGACATGAT  
 GAAGAAGCTGTGGGGAGACCCGTAATTTGACCCGGCCAACGGCAAGTTTCAGCAAGTCAGCCAATAGCCCA  
 GACGGGAAGAACTTCCCGCACCTTCTGCCAGCTCATCTTGGACCCCATCTTCAAGGTGTTTATGATGCCA  
 TCATGAACTTCAGGAAGGAGGAGACAGCCAAGCTGATCGAGAAGCTGGACATCAAGCTGGACAGTGAGGA  
 CAAGGACAAGGAGGGCAAACCACTGCTGAAGGCTGTGATGCGTCGCTGGCTGCCTGCTGGTGACGCCCTG  
 CTACAGATGATCACCATCCACTTGGCGTCCCGGTCACTGCACAGAAGTACCGTTGTGAGCTGCTGTACG  
 AGGGCCCACTGATGACGAGGCCCATGGTATTAAGAGCTGCGACCCCAAAGGCCCTTAATGATGTA  
 CATCTCCAAGATGGTGCCAAACATCTGACAAAGGCCGCTTCTATGCCTTCGGTAGAGTGTTCTCTGGGGTG  
 GTGTCCACAGGTCTGAAGGTCCGGATCATGGGCCCAACTATACCTGGGAAGAAGGAGGACCTGTACC  
 TGAAGCCTATCCAGAGGACCATCTGATGATGGGCCGCTATGTGGAACCCATTGAGGATGTGCCCTGTGG  
 CAACATTGTGGGTTGGTGGGGTGGACAGTTCTTGTGAAGACCGGCACCATCACTACCTTTGAGCAC  
 GCTCACAACATGCGGGTGTGAAGTTCAGCGTCAGCCCTGTCGTCAGGGTGGCAGTGAGGCCAAGAACC  
 CAGCTGACCTGCCAAGCTGGTGGAGGGCTGAAGCGGCTGGCTAAGTCTGACCCATGGTGCAGTGCAT  
 CATCGAGGAGTCTGGGGAGCACATATTGCTGGTGTGGAGAGCTGCACCTGGAGATCTGCCTTAAGGAC  
 CTGGAGGAGGACCATGCCTGCATCCCCATCAAGAAATCTGACCCGTGTCGTCCTACCGGGAGACAGTCA  
 GTGAGGAGTCCAACGTGCTCTGTCTTCCAAGTCCCAACAAGCACAACAGGCTGTACATGAAGGCCAG  
 GCCCTTCCCTGATGGCCTAGCAGAGGACATCGATAAAGGGTGAAGTATCTGCCCGCCAGGAGCTCAAGGCC  
 CGTGCCCGTTACCTGGCCGAAAAGTATGAGTGGGATGTTGCTGAAGCCCGCAAGATCTGGTGTCTTTGGAC  
 CTGATGGCACTGGTCCCAACATTCTCACCGACATCACCAGGGTGTGCAGTACCTGAATGAGATCAAGGA  
 CAGTGTGGTGGCTGGATTCCAGTGGGCCACTAAGGAGGGTGTCTTTGTGAGGAGAACATGCGTGGTGTG  
 CGATTTGATGTCCATGATGTGACCCTGCATGCTGATGCCATCCACCGAGGAGGTGGTGCAGATCATCCCCA  
 CAGCGCGCCGCTGCCTCTATGCCAGTGTGCTGACTGCACAGCCCCGCTCATGGAGCCTATCTACCTGGT  
 GGAGATTCAGTGTCTGAGCAAGTGGTGGGCGGAATCTATGGTGTCTGAACAGGAAGCGTGGCCATGTC  
 TTTGAGGAGTCCCAGGTAGCTGGGACCCCATGTTCTGTGGTCAAGGCCTACCTGCCTGCAATGAATCCT  
 TTGGCTTCACTGCCGACCTTCGATCCAACACTGGTGGCCAGGCCTTCCCCAGTGTGTGTTTGACCACTG  
 GCAGATCCTGCCTGGGACCCCTTTGACAACAGCAGCCGCCAGCCAAGTTGTAGCTGAGACCCGCAAG  
 CGCAAAGGCCGAAGGAGGGCATCCAGCGCTGGACAACCTTCTGGACAACTGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_017245  
**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="#">NM_017245.2</a> , <a href="#">NP_058941.1</a>
<b>RefSeq Size:</b>	2944 bp
<b>RefSeq ORF:</b>	2577 bp
<b>Locus ID:</b>	29565
<b>UniProt ID:</b>	<a href="#">P05197</a>
<b>Cytogenetics:</b>	7q11
<b>Gene Summary:</b>	catalyzes the translocation of peptidyl-tRNA from the ribosomal A site to the P site in translational elongation [RGD, Feb 2006]