

## Product datasheet for **MC205760**

### **Eef1a1 (NM\_010106) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eef1a1 (NM_010106) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eef1a1
Synonyms:	MGC7551; MGC8115; MGC8209; MGC18758; MGC27859; MGC102592; MGC103271; MGC118397
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC018485  
 CCGACGCGTGGGTCGGGTTTGCCGTCAGAACGCGAGGTGTTGTGAAAACCGCTAATTCAAAGCAAAA  
 ATGGGAAAGGAAAAGACTCACATCAACATCGTCGTAATCGGACACGTAGATTCGGCAAGTCCACCACAA  
 CCGGCCACCTGATCTACAAAATGTGGTGGAAATCGACAAGCGAACCATCGAAAAGTTTGAGAAAAGAGGCTGC  
 TGAGATGGGAAAGGGCTCCTTCAAGTACGCCTGGGTCTTAGACAAACTGAAAGCTGAGCGTGAGCGTGGT  
 ATCACTATTGACATCTCCCTGTGGAAATTCGAGACCAGCAAATACTATGTGACCATCATTGATGCCCCAG  
 GACACAGAGACTTCATCAAAAACATGATTACAGGCACATCCCAGGCTGACTGTGCTGCTGATTGTTGC  
 TGCTGGTGTGGTGAATTTGAAGCTGGTATCTCCAAGAACGGGCAGACCCGCGAGCATGCTCTTCTGGCT  
 TACACCCTGGGTGTGAAACAGCTGATTGTTGGTGTCAACAAAATGGATTCCACCGAGCCACCATACAGTC  
 AGAAGAGATACGAGGAAATCGTTAAGGAAGTCAGCACCTACATTAAGAAAATTTGGCTACAACCCTGACAC  
 AGTAGCATTTGTGCCAATTTCTGGTTGGAATGGTGACAACATGCTGGAGCCAAGTCTAATATGCCTTGG  
 TTCAAGGGATGAAAAGTCACCCGCAAAGATGGCAGTGCCAGTGGCACCACGCTGCTGGAAGCTTTGGATT  
 GTATCCTACCACCAACTCGTCCAAGTACAAGCCTCTGCGACTGCCCTCCAGGATGTCTATAAAATTGG  
 AGGCATTGGCACTGTCCCTGTGGCCGAGTGGAGACTGGTGTCTCAAACCTGGCATGGTGGTTACCTTT  
 GCTCCAGTCAATGTAACAACTGAAGTCAAGTCTGTTGAAATGCACCATGAAGCTTTGAGTGAAGCTTTC  
 CTGGGGACAATGTGGGCTTCAATGTAAAGAACGTGTCGGTCAAAGATGTTAGACGAGGCAATGTTGCTGG  
 TGACAGCAAAAACGACCCACCAATGGAAGCAGCTGGCTTCACTGCTCAGGTGATTATCCTGAACCATCCA  
 GGCCAAATCAGTGTGGCTACGCTCCTGTTCTGGATTGTCACACAGCCCACATAGCATGCAAGTTTGGCTG  
 AGCTTAAAGAAAAGATCGATCGTCGTTCTGGTAAGAAGCTGGAAGATGGCCCAAGTTTCTGAAGTCTGG  
 CGATGCTGCCATTGTTGATATGGTCCCTGGCAAGCCATGTGTGTTGAGAGCTTCTGACTACCCCTCCA  
 CTTGGTCGCTTTGCTGTTGTCGATGAGGCAGACAGTTGCTGTGGGTGTCATCAAAGCTGTGGACAAGA  
 AGGCTGCTGGAGCTGGCAAAGTCACCAAGTCTGCCAGAAAGCTCAGAAGGCTAAATGAATATTACCCT  
 AACACCTGCCACCCAGTCTTAATCAGTGGTGGAAAGACGGTCTCAGAAGTGTGTTGCTCAATTGGCCAT  
 TTAAGTTTAAATAGTAAAAGACTGGTAAATGATAACAATGCATCGTAAAACCTTCAAGAAGGAAAGAATGTT  
 GTGGACCATTTTTTTGTGTGGCAGTTTTAAGTTATTAGTTTTTCAAATCAGTACTTTTTAATGAAAAC  
 AACTTGACCAAAAATCTGTCACAGAATTTTGGAGACCATTAACAAGTTTAAATGAGAAAAA AAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_010106

**Insert Size:** 1389 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:** [BC018485](#), [AAH18485](#)

**RefSeq Size:** 1761 bp

**RefSeq ORF:** 1389 bp

Locus ID: 13627

UniProt ID: [P10126](#)

Cytogenetics: 9 E1

**Gene Summary:** This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. With PARP1 and TXK, forms a complex that acts as a T helper 1 (Th1) cell-specific transcription factor and binds the promoter of IFN-gamma to directly regulate its transcription, and is thus involved importantly in Th1 cytokine production. [UniProtKB/Swiss-Prot Function]