

## Product datasheet for **RR203268**

### **Eef1a2 (NM\_012660) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eef1a2 (NM_012660) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eef1a2
Synonyms:	EEF1AL; Ps10; RATPS10; STN; Stnl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR203268 representing NM\_012660  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGCAAGGAGAAGACACACATCAACATTGTGGTCATTGGCCACGTGGACTCAGGCAAGTCTACCACGA  
 CAGGCCATCTCATCTACAAATGTGGCGGCATCGACAAGCGGACCATCGAGAAGTTTGAGAAGGAGGCAGC  
 AGAGATGGGGAAGGGCTCCTTTAAATATGCCTGGGTGCTGGACAAGCTGAAGGCAGAGCGGGAGCGCGGC  
 ATCACCATCGACATCTCCCTCTGGAAGTTTGAGACCACCAAGTACTACATCACCATCATTGATGCTCCAG  
 GCCACCGGGACTTCATCAAGAACATGATTACTGGCACATCCCAGGCGGACTGTGCAGTACTGATCGTGGC  
 AGCGGGCGTGGGCGAGTTTGAGGCGGGCATCTCCAAAACGGGCAAAACCCGGGAACCGCACTCTGGCC  
 TACTCTGGGTGTGAACAGCTCATTGTGGGTGTCAACAAGATGGACTCCCGGAACAGCCTACAGCG  
 AGAAGCGTACGATGAGATTGTCAAGGAGGTGAGCGCCTACATCAAGAAGATCGGCTACAACCCAGCCAC  
 GGTGCCCTTCGTGCCATCTCGGCTGGCAGGTGACAACATGCTGGAACCTTCACTAATATGCCATGG  
 TTCAAGGGCTGGAAGGTAGAGCGTAAGGAAGGAAATGCAAGCGCGGTGTCCTGCTGGAAGCCCTGGACA  
 CAATCCTGCCCCCAACCGCCCAACCGACAAGCCCTTCGTCTACCGCTGCAGGATGTATACAAGATTGG  
 TGGCATTGGGACTGTACCTGTGGGCAGAGTGGAGACCGGTATCCTCCGTCTGGTATGGTGGTGACCTTT  
 GCGCCAGTCAACATCACACAGAGGTGAAGTCTGTGAAATGCACCACGAGGCGCTCAGCGAGGCCCTGC  
 CTGGTGACAATGTTGGGTTCAACGTGAAGAATGTGTCTGTCAAGGACATTCGCCGGGGCAATGTCTGTGG  
 GGACAGCAAAGCTGACCCCTCAGGAGGCCGCCAGTTCACCTTCAGGTTATCATCTGAACCACTTGGCC  
 GGGCAAATCAGCGCTGGTACTCGCCAGTATCGACTGTACACAGCCACATCGCCTGCAAGTTTGCCG  
 AGCTAAAGGAGAAGATTGACCGTCGCTCTGGCAAGAAGCTGGAGGACAATCCCAAGTCCCTGAAGTCTGG  
 GGATGCCGCCATTGTTGAGATGGTCCCAGGAAAACCCATGTGTGTGGAGAGCTTCTCACAGTACCCACCC  
 CTCGGCCGCTTCGCCGTGCGCGACATGCGGCAGACTGTGGCCGTGGGCGTCATCAAGAAGCTGGAGAAGA  
 AGAGCGCGCGCGCGCAAGGTACCAAGTCCGCACAGAAGCGCAGAAAGCGGGCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203268 representing NM\_012660  
 Red=Cloning site Green=Tags(s)

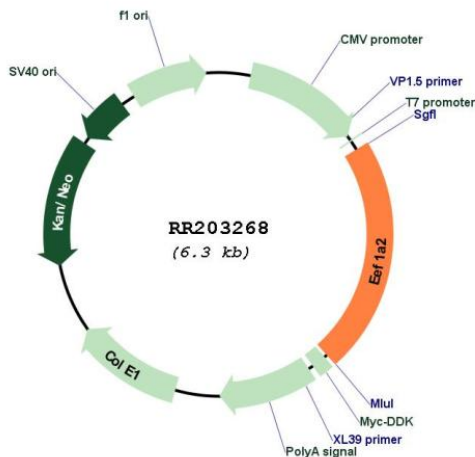
MGKEKTHINIVVIGHVDSGKSTTTGHLIYKCGGIDKRTIEKFEKEAAEMGKGSFKYAWVLDKLKAERERG  
 ITIDISLWKFETTKYYITIIDAPGHRDFIKNMITGTSQADCAVLIVAAGVGEFEAGISKNQGTREHALLA  
 YTLGVKQLIVGVNKMDSTEPAYSEKRYDEIVKEVSAYIKKIGYNPATVPFVPIISGWHGDNMLESPNMPW  
 FKGWKVERKEGNASGVSLLEALDITLPPTRPTDKPLRLPLQDVYKIGGIGTVPVGRVETGILRPGMVVTF  
 APVNITTEVKSVEMHHEALSEALPGDNVGFNVKNVSVKDIRRGNVCGDSKADPPQEAQFTSQVILNHP  
 GQISAGYSPVIDCHTAHIACKFAELKEKIDRRSGKKLEDNPKSLKSGDAAIVEMVPGKPMCVESFSQYPP  
 LGRFAVRDMRQTVAVGVIKNVEKSSGGAGKVTKSAQKAQKAGK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_012660

**ORF Size:** 1389 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [NM\\_012660.2](#), [NP\\_036792.2](#)

**RefSeq Size:** 2035 bp

**RefSeq ORF:** 1392 bp

**Locus ID:** 24799

**UniProt ID:** [P62632](#)

**Cytogenetics:** 3q43

**MW:** 50.5 kDa

**Gene Summary:** genomic clone of the nonproliferation-specific gene present in growth-arrested cells [RGD, Feb 2006]