

Product datasheet for **RN210671**

Eef2k (NM_012947) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eef2k (NM_012947) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Eef2k
Synonyms:	SMEF2K
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210671 representing NM_012947
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGACGAAGACCTCATCTTCCGCCTGGAAGTGTTGACGGTGGCGGTCTCCGGAGCTGGCCGCC
 ATGGGGACTCTGACACAGACAGTGACGATGATGAGGGCTACTTCATCTGCCCCATCACTGATGACCACAT
 GTCCAACCAGAATGTCAACTCCAAGGCCAGGGCTACTACAACAACCTACTGAAAACGGAGTGTGGCTCC
 ACAGGGTCACCAGCCAGCTCCTTCCACTTCAAGGAGGCCTGGAAGCATGCGATCGAGAAGGCCAAGCACA
 TGCCCCACCCCTGGGCTGAATTCATCTGGAGGACATCGCCACAGAGCATGCTACTCGGCACAGGTACAA
 TGCTGTCAACGGGAGTGGCTGAAAGACGAGGTTCTGATCAAGATGGCATCTCAGCCCTTCGGCCGTGGA
 GCAATGAGGGAGTGTTCAGGACGAAGAACTCTCAACTTCTTGCATGCCAGCATTGGAAGGGGGCCT
 CCAACTACGTGGAAAACGCTACCTCGAGCCAGTGGACAGGAGCGTGTACTTTGAGGATGTGCAGCTCCA
 GATGGAAGCGAAGCTCTGGGGGAGGAGTACAACCGGCACAAGCCCCCAAGCAGGTAGATATCATGCAG
 ATGTGCATCATTGAGCTAAAGGACAGACAAGGACAGCCCCCTTCCACCTGGAGCACTACATTGAGGGCA
 AGTACATCAAGTATAATTCCAACTCAGGCTTTGTCCGTGATGACAACATCAGACTAACACCACAGGCCTT
 CAGCCATTTACATTTGAACGTTCTGGTCATCAGCTGATTGTAAGTGGACATCCAGGGTGTGGGCGACCTT
 TACTACTGACCCACAGATCCACACTGAGAAAAGGCACTGACTTTGGAGATGGTAACCTTGGTGTCCGGGAA
 TGGCTCTCTTCTACTCTCATGCCTGCAACCGTATTTGCCAGAGCATGGGCTTGCGCCCTTTGACCT
 CTCCCCACGGGAGCAGGATGCCGTGAACAGAGACCAAGCTGTTGCAATCAGCCAAGACCATCTTGAGG
 GGGACAGAGGAGAAGTGTGGGAGTCCCCGATAAGGACACTCTGCGCAGCCGGCCCCCTTGTCTCTTC
 CCCTGTCTCAGAGAAGTCTGGGGATGAGAACATGAGTGTGACTTTGACTCTCTGCCTCTCTCCCGCTC
 TTCAGCCACACCACAGCCAGAAGTTGGACCCTCCATTGGCCAGTGTGGTGGTACTCGATAACATG
 GGCCCTAGAGACCATGACCGCATGGACAATCACGGGACTCTGAGAATAGTGGGGACAGTGGGTATCCAA
 GCGAGAAGCGAAGTGACCTGGATGATCCTGAGCCCCGAGAACACGGCCACTCCAATGGCAACCGAAGGCC
 TGAATCTGATGAGGACAGCCTGGCAGCTCTGGACGGTCTGTGTGGAGACGTGGAACCTGCTCAATCCC
 TCCCGCTGCACCTGCCAGGCCCTCGGCCGTGGCCCTAGAAGTGCAAAGGTTAAATGCTCTGGACCTTG
 GAAGGAAAATCGGAAGTCTGTTTTGGGAAGGTCATCTGGCCATGGTACGGTACCACGAGGGCGGGCG
 CTTCTGCGAGAAGGATGAGGAATGGGATCAAGAGTCTGCCATCTCCATCTGGAGCATGCAGCCGACCTG
 GGAGAAGTGGAGCCATCGTGGCCTAGGCCTCATGACTCTCAGCTGCCACCACATCCTGGCTGATG
 TCTCTCTGGAGGAGACAGAAGAGAACAAGACAAAAGGCTTTGATTACCTCCTGAAGGCCGAGAAGCTGG
 TGACAGGCAGTCCATGATTTTAGTGGCTCGAGCTTTTGACACCGCCCTGAACCTCAGCCAGACAGGTGT
 CAAGACTGGTCCGAAGCCTTACACTGGTACAACACGGCCCTGGAGACGACGGACTGCGATGAAGGCGGGG
 AGTATGACGGAATACAGGACGAGCCCCAGTATGCACTGCTGGCCAGGGAGGCAGAGATGTTGCTCACCGG
 TGGATTTGGACTGGACAAGAACCCCAAGATCAGGAGACTTGTACACCCAGGCAGCCGAGGCAGCAATG
 GAAGCCATGAAGGCGCGCTAGCCAACCACTACTATGAGAAGGCGGAAGAGGCCTGGGCGCAATGGAGG
 AATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012947
Insert Size: 2175 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:	<ol style="list-style-type: none">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:	<u>NM_012947.2</u> , <u>NP_037079.1</u>
RefSeq Size:	2175 bp
RefSeq ORF:	2175 bp
Locus ID:	25435
UniProt ID:	<u>P70531</u>
Cytogenetics:	1q36
Gene Summary:	catalyzes the phosphorylation of eukaryotic elongation factor 2 (eEF2) [RGD, Feb 2006]