

Product datasheet for **RR205590**

Eef1g (NM_001004223) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eef1g (NM_001004223) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eef1g
Synonyms: MGC94929; MGC114210
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205590 representing NM_001004223
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCTGGGACCCTGTACACATACCCTGAAAACCTGGAGGGCCTTCAAGGCCCTCATCGCTGCTCAGT
ACAGCGGGGCTCAGATCCGCGTGTCTCCGCACCACCCCACTTCCACTTCGGCCAAACCAACCGCACCCC
CGAATTTCTCAGAAAATTTCTCGGGCAAGTTCCAGCCTTTGAGGGCGATGACGGATTCTGCGTATTT
GAGAGCAATGCCATCGCCTATTACGTAAGCAATGAGGAGCTACGGGGAAGTACACCAGAGGCAGCAGCGC
AAGTGGTGCAGTGGGTGAGCTTTGCTGACAGTGACATCGTCCCTCCAGCCAGCACCTGGGTGTTCCCCAC
CTTAGGCATTATGCACCACAACAAGCAGGCCACTGAAAATGCCAAAGAGGAGGTGAAGCGAATCTTGGGG
CTGCTGGACACTCATCTGAAGACACGGACTTTTCTGGTTGGTGAGAGAGTAACACTGGCTGACATCACGG
TTGTCTGTACCCTATTGTGGCTCTATAAACAGGTCTTAGAGCCTTCTTTTCGCCAGGCCTCCCCAATAC
CAACCGATGGTTCCTTACCTGCATTAACCAGCCCCAGTTCAGGGCCATCTTGGGGGAGGTGAAGCTGTGT
GAAAAGATGGCTCAGTTTGATGCTAAGAAGTTCGCAGAGAGCCAGCCAAAAAGGATACCCCGAGGAAAG
AAAAGGGCTCACGAGAAGAGAAGCAGAAGCCCAAGACTGAGCGGAAAGAGGAAAAAAGGCAGCTGCCCC
AGCTCCTGAGGAAGAGATGGATGAGTGTGAGCAGGCATTGGCTGCTGAGCCCAAGGCCAAGGACCCCTTTC
GCTCACCTGCCCAAGAGTACCTTTGTGTTGGATGAGTTTAAGCGAAAGTACTCCAATGAGGACACCCCTCT
CTGTGGCGCTGCCATATTTTTGGGAGCATTTTGATAAAGGATGGCTGGTCCCTGTGGTATGCTGAGTACCG
CTTCCCTGAAGAGCTCACCCAGACCTTCATGAGCTGTAACCTCATCACTGGGATGTTTCAGCGATTGGAC
AAACTGAGAAAAGATGCCTTTGCTAGTGTATCCTGTTTGAACCAACAACAGCAGCTCCATTTCTGGGG
TTTGGGTCTTCCGAGGCCAAGATCTTGCCTTTCCGCTGAGTCCAGATTGGCAGGTGGACTATGAGTCATA
TACATGGCGGAAACTGGATCCTGGTAGCGAGGAGACCCAGACCCTCGTTCCGAGAGTACTTTTCTGGGAG
GGGGCCTTCCAGCACGTTGGCAAAGCCGTCATCAAGGCAAGATCTTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205590 representing NM_001004223
Red=Cloning site Green=Tags(s)

MAAGTLYTYPENWRAFKALIAAQYSGAQIRVLSAPPHFHFGQTNRTPEFLRKFPAGKVPAPFEGDDGFCVF
 ESNAIAYYVSNEELRGSTPEAAAQVVQWVSFADSDIVPPASTWVFPPTLGMHMKQATENAKEEVKRIIG
 LLDTHLKTRTFLVGERVTLADITVVCTLLWLKQVLEPSFRQAFPNTRWFLTCINQPQFRAILGEVKLC
 EKMAQFDKAKFAESQPKKDTPRKEKGSREEKQKQPQTERKEEKAAAPAPEEEMDECEQALAAEPKAKDPF
 AHLPKSTFVLDEFKRKYSNEDTLSVALPYFWEHFDKDGWSLWYAEYRFPEELTQTFMSCNLITGMFQRLD
 KLRKNAFASVILFGTNNSSSISGVWVFRGQDLAFPLSPDWQVDYESYTWKRLDPGSEETQTLVREYFSWE
 GAFQHV GKAVNQGKIFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

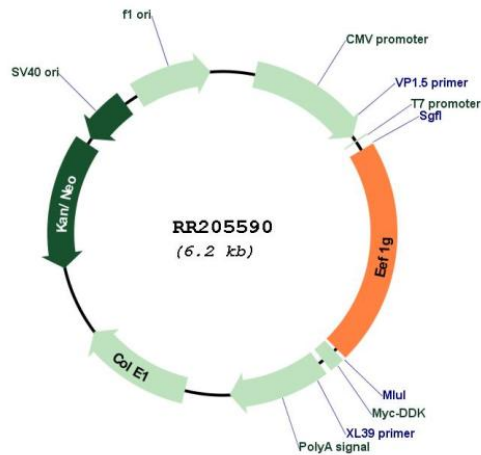
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004223

ORF Size:	1311 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:	<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:	NM_001004223.2 , NP_001004223.1
RefSeq Size:	1433 bp
RefSeq ORF:	1314 bp
Locus ID:	293725
UniProt ID:	Q68FR6
Cytogenetics:	1q43
MW:	50.1 kDa
Gene Summary:	Probably plays a role in anchoring the complex to other cellular components. [UniProtKB/Swiss-Prot Function]