

Product datasheet for **RR201744**

Eif4enif1 (NM_001107230) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif4enif1 (NM_001107230) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eif4enif1
Synonyms:	RGD1560908
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201744 representing NM_001107230 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGAAGAGAAGTGTGGATGAAACAGAAAATGGAGATGCTTTCCTTGACCTGAAGAAGCTGCCACCT
CCAAATCCCCCACCCTATACGAAAGAGGAGCTCTTGGATATAAAGAAGCGCCATACTCCAAACAGAG
GCCATCATGCCTCTCTGAAAAATATGACAGTGATGGTGTCTGGGACCCTGAGAAGTGGCATGCCTCTCTT
TACCCAGCGTCAGGGCGCAGCTCACAGTGGAAAGTCTGAAGAAAGAGCCGGAATCAGATCGGCCTTCTC
TGGTGCAGAGAATAGCAGATCCACGAGAGCGAGTGAAGAAGATGACTTAGATGTTGTTCTCAGCCACA
GAGACGAAGTTTTGGCGGTGGCTGCCATGTAACAGCTGCTGTTAGCTCCCGGCGCTCTGGCAGTCCATTG
GAGAAAGACAGTATGGGCTTCGCTGCTGGTGGACGAAGAAATGGCAGTGAAGAATAATTTCTGCC
GGGCTTTGAGAAGGATCACCGTCTTAGCGATAAGGACCTACGAGACTTGAGAGACCGAGACAGGGAGAG
GGACTACAAGGACAAGCGTTTCAGGAGGGAGTTTGGAGATAGTAAACGTGCTTTGGTGAAGCTAGAAGA
AACGATTCATACACTGAGGAAGAACCAGAATGGTTTTTCAGCTGGACCCACCAGTCAGTCTGAAACCATAG
AGCTGACTGGCTTTGATGATAAGATTCTAGAGGAGGATCACAAGGGAGAAAACGAACAAGCGCAGCGAC
TGCTCTGTGAGGAAGGCATAGTGGAGTGAATGGAGGGTGGCTGAAGAGGACGAGGTGGAAGTCATT
CTGGCCAGGAGCCCTCTGCTGATCAGGAAGTTCCAAGGGATGTCATCCTACCTGAGCAGTCCCCAGGAG
AATTTGACTTTAATGAATCTTTAACCTTGATAAGGTGCCATGCTTGGCTTCGATGATAGAAGATGTTCT
GGGAGAAGGATCAGTCTCTGCCAGCGCTTCAGTAGGTGGTTCTCTAACCAAGCCGGTCAGGGAGCAGA
TCCAGCAGCCTCGGATCCACACCCCATGAAGAAGTTGAGAGACTGGCAGGTTTGGAGCAAGCCGCTCTCT
CTCCTGGACAGAAGTTCGGGAATATTTTGTCTCTATACCATCAGAAGACCATGCTGAAAATAAAGTGA
CATTTTAGAAATGCTACAGAAAGCCAAAGTGGATTTAAAACCCCTCTTTCTAGCCTTTCTGCAAAATAA
GAAAAACTTAAAGAAAGCTCACATTCAGGGGTTGACTTTCAGTGAAGAGGTAGAAGCCGGGCTGAAGG
GCTTGAAGGTGGACCAGCAAATAAAGAATTCAACTCCCTTCATGGCAGAACATTTAGAGGAGACCCTGAG
TGCTGTGACTAGCAATCGGCAGCTCAAGAAAGATGGAGATATGACTGCATTCAACAAACTAGTGAACACC
ATGAAGGCAAGTGGGACTTTGCCTACCCAGCCAAAGTCAGTCGAAATCTTGAAGTCACTTGTGGCTC



[View online >](#)

CTGCTGAGATTCCAGGCCAGCCTGTCCTAAAAACATCCTACAGGAACCTCTGGGTCAACCGGTTTCAGAG
 ACCTGCTTCTTCCAATCTTCTCAGTGGCCTTATGGGGAGCTTGGAGCCTACTGCATCTTTATTGAGCCAA
 AGAGCACCTCTCCTCCAATGTCACAGGTGTTTCGAACTCAAGCCGCCTCAGCAGACTACCTTCATCCAA
 GGATACCATCACCCATTGGTTTCCCATCAGGACCCAGCAACTACTTGGAGATCCATTCCAAGGCATGCG
 CAAGCCCATGAGTCTGTACAGCCAGATGAGCCAGCTAGAAGTGCAGCAAGCTGCTTTAGAAGGGCTG
 ACCCTGCCACATGACCTTGACGTACAGACCACACCTTCTACCAGCCTGGTTTTAGCAAACCTCAAGTGG
 ACAGAACCAGAGATGGGCTCAGAAACAGGCAACAGCGAATGACAAAGTACCAGCACCCATGCACCGGAGG
 AAATTCCTCTTCCCAGCTCCCGCGCCTCCATCACGAGCATGCTTTCTCCTTCCCTTACCCTACCTCA
 GTGATCCGCAAGATGTATGAAAGCAGAGAGAAAAGCAAGGAGGAAATAGCACCCGGAACAGTGGTTCCTG
 GTGATGGTAAAGAGGATGCTCAGAAGGCCAGCGAAGAAAACCTGCTGTATCCAATTCCATATCCAATTC
 TGATCAAGACTCTTCTCTACGGCAAACTCTAACTTTCAACATTACAGCGGTCTTCATGCTCCACCCCA
 CTGTCCCAGACCAACCGTTATACCAAAGAACAAGATTATCGCCCTAAAGCAGCTGGGAGGAAAACACCTA
 CCTTGGCATCCCAGTCCAGGAACACCTTTTCTCCGCCCTACCCACCAAGTCCCCTCGTCCCTCATGT
 TCCTATTGTTGACCTGCACATCAGCTTACCCAGGATTAGTCCAGAGGTTGATAGCCAAAGGGGTGCAT
 CCACAGCATCTTCCAGGTTTGTCCAAGCTGGTGTGCTTCTCCTGGGATAGACATAGCTCCTTTACAGG
 GACTATCTGGCCCACTCCTAGGTCAACCTTGTACCCTTTGGTCTCTGCTAGTACCCTCTCCTAAA
 CCCTCGTCTGGGACCCCTCTGCATTTGGCAGTGTGCAGCAGCAGCTACAGCGCTCAGTTCTGCATCCT
 CCAGGCTCTAGTCCCAGGCAGCAGCTATCAACGTTTACAGCTCCTCCGAATGTACCAGCCGGTCAAGCC
 TGCCCATATGCACTCCCAGCTGGAGCATCGCACCAGCCAAAGGAGCAGCTCCCCGTGGGTCTTGCCAA
 GTGGTTTGGCTCAGATGTGCTACAGCAGCCTCTGCCCTCCATGCCACCAAGTCATCAGTGTAGATGAA
 CTGGAATATAGACAG

ACGCGTACGCGGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201744 representing NM_001107230
 Red=Cloning site Green=Tags(s)

MEKRSVDETENGDAFLDLKLLPTSKSPHRYTKEELLDIKERPYSKQRPSCLEKYDSDGVWDPEKWHASL
 YPASGRSSPVESLKEPESDRPSLVRRIDPRERVKEDDLVVLSPQRRSFGGGCHVTAAVSSRRSGSPL
 EKDSDDLRLGGRRIGSGRIISARAFEKDHRLSDKDLRDLRDRERDYDKRFRREFGDSKRVFGERRR
 NDSYTEEPEWFSAGPTSQSETIELTGFDKILEEDHKGRKRTRRRASVREGIVECNGGVAEEDVEVI
 LAQEPSADQEVPRDVILPEQSPGEFDFNEFFNLDKVPCLASMIEDVLGEGSVSASRFSRWFNPSRSGSR
 SSSLGSTPHEELERLAGLEQAVLSPGQNSGNFYAPIPSEDHAENKVDILEMLQKAKVDLKPILLSLANK
 EKLEKSSHSGVLSVEEVEAGLGLKVDQQIKNSTPFMAEHLLETL SAVTSNRQLKKGDMTAFNKL VNT
 MKASGTLPTQPKVSRNLESHLLAPAEIPGQVPKNILQELLGQPVQRPASSNLLSGLMGSLEPTASLLSQ
 RAPSPMSQVFRQAASADYLHPRIPSPIGFSPGQQLLGDPFQGMKPMSPVTAQMSQLELQQAALGL
 TLPHDLAVQTTFFYQPGFSKPQVDRTRDGLRNRQQRMTKSPAPMHRGNSSPAPAASITSMSPSFTPTS
 VIRKMYESREKSKEEIPAGTVVPGDGKEDAKASEENLLSSNSISNSDQSSPTANPKLSTLQRSSCSTP
 LSQTNRYTKEQDYRPAAGRKTPTLASPVGTPFLRPTHQVPLVPHVPIVRPAHQHPGLVQRLIAQGVH
 PQHLPGLLQAGVLPPIIDIAPLQGLSGPLLQGPLYPLVSAASHPLLNPRPGTPLHLAVMQQLQRSVLHP
 PGSSSQAAAINVQTPPNVPSRSGPLPHMSQLEHRTSQRSSSPVGLAKWFGSDVLQQLPSMPTKVISVDE
 LEYRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

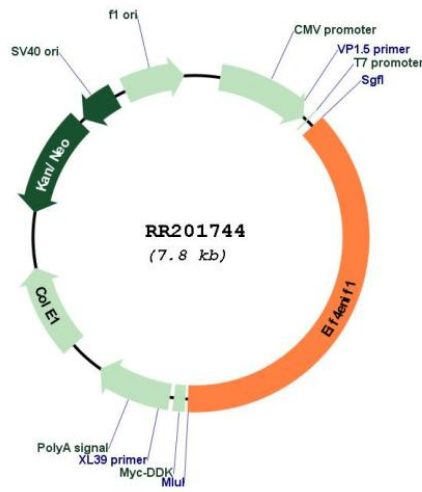
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107230
 ORF Size: 2955 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:	<u>NM_001107230.1, NP_001100700.1</u>
RefSeq Size:	3625 bp
RefSeq ORF:	2958 bp
Locus ID:	305468
Cytogenetics:	14q21
MW:	108.3 kDa