

Product datasheet for RR211542

Emg1 (NM_001107888) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Emg1 (NM_001107888) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Emg1
Synonyms:	Grc2f
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211542 representing NM_001107888 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCGACCAGTGGTGGCTTCCAACCTCGTGAGCGGCGTTTTTCAGTGCAGGAACAGGACTGGGACC
CTGCGCCGCTAAGAGACCCCGCTTGGGGCAGGAAGCAAGTGTGGAGGCCGTAGGCTCATTGTGGTGTT
GGAAGGGGCCAGTCTGGAGACAGTCAAGTAGGGAAAACCTACGAGCTACTCAACTGTGACAAGCACAAG
TCCATGTTGTTGAAGAATGGACGGGACCCAGGGGAAGTCAGACCAGACATCACCCACCAGAGCTTGCTGA
TGCTTATGGACAGCCCCCTGAACCGAGCTGGCTTGTCTCCAGGTTATATCCACACACAGAAGAATGTGCT
CATTGAAGTGAACCCCGACTCGGATTCCTAGGACCTTTGACCGATTTTGTGGCCTCATGGTTCAGCTT
TTACACAAACTGAGCGTCCGAGCAGCTGACGGCCCTCAGAAGCTTTTGAAGGTAATTAAGAATCCAGTGT
CTGACCACTTCCCAGTTGGCTGTATGAAAATTGGCACTTCCTTTTCTGTTGAGGACATCAGTGACATTTCG
AGAGTTGGTGCCAGTAGTGACCCAGTTGTTTTCGTAGTGGGGCCCTTTGCCATGGCAAGGTCAGTGTG
GAGTACACAGAAAAGATGGTGTCCATCAGCAACTACCCACTCTCTGCCCGCTGACCTGTGCTAAAGTTA
CCACAGCTTTTGAAGAAGTATGGGGCGTCATT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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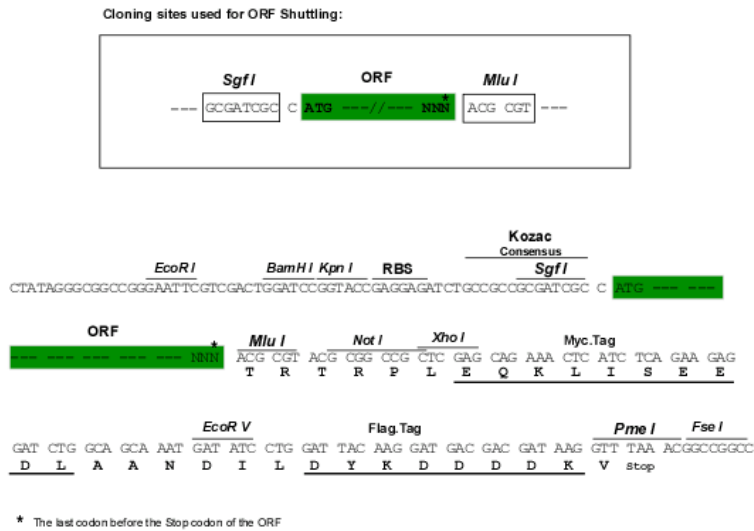
Protein Sequence: >RR211542 representing NM_001107888
 Red=Cloning site Green=Tags(s)

MAATSGGFQPRRRF SVQEQDWPAPPKRPRLLGAGSKCGRRLLIVLEGASLETVKVGKTYELLNCDKHK
 SMLLKNGRDPGEVRPDITHQSLMLMDSPLNRAGLLQVYIHTQKNVLEIVNPQTRIPRTFDRFCGLMVQL
 LHKLSVRAADGPQKLLKVIKNPVSDFHPVGCMIKIGTSFVSDISDIRELVPSSDPVVFVVGAFAHGKVS
 EYTEKMVSISNYPLSAALCAKVTTAFEEVWGV

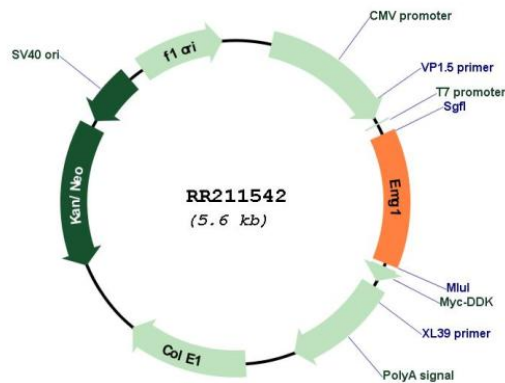
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107888
ORF Size: 732 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_001107888.2 , NP_001101358.2
RefSeq Size:	1847 bp
RefSeq ORF:	735 bp
Locus ID:	312706
Cytogenetics:	4q42
MW:	26.9 kDa