

Product datasheet for **RR215007**

Eme1 (NM_001105830) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eme1 (NM_001105830) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eme1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR215007 representing NM_001105830
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCTAAGAAGTTATCCCTCTCTGCTGTCCACGGAGAGTACTCTGAGGAAGTCCACATTCG
 CCTTTCTGAAGAAGGAACCAGCTTCAACGGACAGCAATCCACCTCAGAGAGAGAAGAACATTGTTGTTGT
 CACCTCAGATATTGAGGCTCCTGCTCCATCACCAGGCTTAAAAGACCCACCATGTGTCCCCAGTGCA
 GCGGAAGCTCCCACACAAGCAGGGCCAGTCAAGTGTGAGCAGTACAGTGAAGATGAAGATGGATTGG
 TCTCTCTGGTGAAAGGATCACATGGAAGCTTTTGAAGAACAAACAGCTGAGCCCTGAGCGCTCTCGCTC
 CCCACTTAAAACGGTTCCAGATCACAAAAAATGCAAGTACACCATGTGACTGGAAAAGGCAACCGTGT
 CCAAAGATTCTGATGTTCTCTCCACAGTCCCTAGAGAAGAGTCCAGCAAATGACAAAGACTCCCTCT
 TAGACAATCAGTGCCATCAACTTCTGCCTACCAGGCTACAGGCAGGGAGTTGGCAGTACCAAAACAAA
 TCCTGACCTCCCTACCCAAGAAGAGAACCAAGCACATTCAGACAGCCAGAGCAGAGGCCCTCAGGGA
 TGCTGGCAGCCAAGACAGGCAAGCAGGAAGGAAAACACCCCAAGGCAGCAGGAAAAGGAAAAGAAGGCAG
 AGATGGTCAACAGGCTCAGAGCCAGAGGCCAGAGGAATGCCTGAAACACATCGTGGTGGTGTGGATCC
 AGTCTTTTACAGATGGAAGGTGGGGCCAGCTCCTGGGAGCGCTGCAGGCCATGGAGTGCAGCTGTGTG
 ATTGAAGCTCAGGTCGTACCTCAAAGTATCACTTGGAGGAGGAAGACAGAGCTGGAAGAGGATGGAGATG
 ACTGGGTGGAAGACCAACAATCCTGGTGTGGTCTCAAAGAGGTCTTCATGTCCATGGTCTACAACTC
 AAAGCAGGAAAATCCTGGCAGCACTGAGAAAGGGAAGGAGACACTTCGGGGCTTTGTAAGTATGTACA
 GCAAGGACAGGAAAAGCATTGTCACTGGTATTGTGGACCAGGAGAAATGCCTCAGGGCTCAGAAATCCCC
 CGAAAAGAAAGAAATCAGGAATGGCAAATAAAAAGGCCAAAGAGAAGCATCAGCAGAGACGAGATCCAG
 CACAAGGCTCATGGTGTCCAGGGTAGACATGGAAGAGGCATTGGTGGATCTGCAGCTATATACAGAAGCC
 CAGGCTCGGATCGTGCAGAGCTGGAGAGAGCTGGCCGACTTCGCCTGTGCATTTACAAAGGCTGTGGCTG
 AAGCGCCCTTCAAGAACTCCGGGATCAAGGCAGCTTCTCCTTCTCCTGGAGAAAGACTGGGCTGGAGG
 GGTGAAAGCGGACCATGCTGGTAGAGGACTTGCAGTGTCTGGAGGCGGCAGATTACAGCAGCTGAACCGA
 GTCAGCTCAGAAATGGCCGGCGCTATTGTGGATGCCTATCCTTCTCCACAGCTCCTGGTGCAGGCTTATC
 AGCAGTGTTTTTCTGAACAAGAACGCCAGAATTTGCTGGTAACATACAGGTGCGACGTGGGGAAGGTGT
 GACAGCCACCTCCCGCGTGTGGGCCAGAATTATCCAGGCGGATCTACCTTCAAATGACCACAGTGCAA
 CCAGATCTCATCTTAGACAGTGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215007 representing NM_001105830
 Red=Cloning site Green=Tags(s)

MALRRLSLSLLSTESDSEELPTFAFLKKEPASTDSNPPQREKNI VVVTSDIEASCPPSPGLKDPPCVPSA
 AEAPTQAGPVRVLSSSSEDEDGLVSLAERITWKLRLNKQLSPERSRSPKLTGSDHQKNASTPCDWKRQPC
 PKIPDVPLHSALEKSPANDKDSLLDNQCHQLPAYQATGRELAVTKTNPDLPLPKRRTKHIQTAQSRGPQG
 CWQPRQASRKENTPRQQRKKAEMVNRLRAQRPEECLKHIVVLDVPLVLLQMEGGQLLQALQAMECSCV
 IEAQVVPQSITWRRKTELEEDGDDWVEEPTILVVLKEVFMSMVYNSKQGNPSTEGKETLRGFVTDVT
 ARTGKALSLVIVDQEKCLRAQNPPKRRKSGMANKKAKEKHQQRRESSTRMVS RVDMEEALVDLQLYTEA
 QARIVQSWRELADFAFAFTKAVAEAPFKLRDQGSF SFFLEKDWAGGVKADHAGRLAL IWRRIQQLNR
 VSSEMAGAI VDAYPSPQLLVQAYQQCFSEQERQNL LANIQVRRGEGVTATSRRVGPPEL SRR IYLQMTTVQ
 PDLILDSVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ORF Size:	1707 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_001105830.2 , NP_001099300.2
RefSeq Size:	1710 bp
RefSeq ORF:	1710 bp
Locus ID:	287634
Cytogenetics:	10q26
MW:	63.6 kDa