

Product datasheet for **RN202945**

Emc1 (NM_001108690) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Emc1 (NM_001108690) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Emc1
Synonyms:	RGD1310427
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202945 representing NM_001108690 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGGCGGCTGTGGAGTCTGGTCTGCCTCTGTGCTGTGCTACTTGTCCCTGCGGCCGAGTCTACG
AAGACCAAGTGGCAAGTTTGACTGGAGACAGCAGTACGTTGGGAAGCTCAAGTTGCCTCCTTGGAGTT
CTCCCCTGGATCCAAGAAGTTGGTTGTGGCCACAGAGAAGAATGTGATTGCAGCATTGAATTCTCGGACT
GGAGAGATTTTGTGGCGCATGTTGACAAGGTACAGCAGAAGGGGCTGTGGATGCCATGCTGGTCCATG
GGCAAGATGCAATCACTGTATCCAATGGAGGGCGCATCATGCGTTCTTGGGAGACTAACATCGGGGGCCT
GAAGTGGGAGATAACTCTGGACAGTGGCAGTTTCCAGGCACTCGGGCTGGTGGGCCTCCAGGAGACAGTG
AGGTACGTTGCGGTTCTGAAGAAGACGACCTCACTCTCCATCACCTCTCTAGTGGGCACCTGAAGTGGG
TGGAGCATCTGCCAGAAAGTGACAGCATCTCTACAGATGGTGTATTCTACGGCTCCGGGGTGGTGTG
GGCCCTTGGCATCGTTCCCTTCAGCCATGTGAACATCGTCAAGTTTAACTGGAGGATGGAGAGATTGTT
CAGCAGGTCAGGGTTTGGACCCCTGGCTGCAGCACCTGACTGGAGCCTGTGGTGTGTAGACGAGGCTG
TCCTGGTATGCCAGACCCAGCTCACATTCGCTCCACACTTTGGCCCTGGAGACGGAGTGGAACTGCG
GCAGATCCCCCTGCAGTCTCTGACTTAGAATTTGGAAGTGGATTCCAGCCCCAAGTGCTGCCACGCAG
CCCAGCCCAGTGGCTCCTTCTCGGGCCAGTTCTTCTGCAGTTGTCCCCGGGCCACTATGCTCTACTGC
ACTACCACACGGCGCCGTGACTCTGCTCAAAAACCTTTCCAGGCCACACTTGTGAGCTTTGCTACCA
AGGGGAGAAGACAGTGGCTGCAGTCATGACCTGTGCGACTGAAGTGCAAAAACCTGGCAGTGCTGGAGAT
GGGTCTGTGGCGAGCTTCCCTGAGACATCTGGTGCACAGGACTCTCTGGCTTGTCTTAATCAGACCTACA
CCATTAACCTGTACTTAGTAGAGACAGGTGGCGGCTACTAGACACTTCGATTTCTTCAGCTTGGAGCA
GAAGGGCACTCGACCTGAGCAGCTGTACGTCCAGGTGTTCTTGAAGAAGGATGACTCGGTGGGCTACCGG
GCCTTGGTGCAGACACAGGACCTCTGCAGCTGTTCTGCAGCAGCTTGGCGGAAGGTGGTGTGTGGA
GCCGAGAGGAGTCCCTGGCAGAAGTCGTGTGCCTGGAGATGGTGGATCTCCCCCTGACTGGGGCACAGGC
TGAGCTGGAAGGAGAATTTGGCAAGAAGGCAGATGGCTTGTGGGATGTTCTGAAACGCCTGTCTTC



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CAGCTCATCCTGCTCCAGGCCTGGACTTCCCACCTCTGGAAAATGTTCTACGACGCTCGGAAGCCCCGAA
 GCCAGATTAAGAATGAGATCAACATCGACACCTTGGCTAGAGATGAGTTCAACCTGCAGAAAATGATGGT
 GATGGTAACAGCCTCAGGCAAGCTCTTTGGCATCGAGAGCAGCTCTGGCACCATTCTGTGGAAACAGTAT
 CTGCCCCAATGTTAAGCCGGACTCCTCCTTAAGCTGATGGTCCAGAGGACTACTGCCCATTTCACCCACC
 CGCCCCAGTGCACGCTGCTGGTGAAGGACAAGGAAACAGGAATGAGCTCTCTGTTGTCTTCAACCCCAT
 TTTTGGCAAGTGGAGTCAGGTAGCTCCCCAGTGTGAAGCGCCCATCCTGCAGTCTTGCTTCTCCCG
 GTCATGGATCAAGACTATGCCAAGGTGTTGCTGTTGGTGGATGATGAATACAAGGTCACAGCTTTCCAG
 CTAATCGGAATGTTTTGCGACAGCTACATGAACCTTGCCCCCTCCATCTTCTTCTACTTGGTGGATGCCGA
 GCAGGGGCGGCTCAGCGGTATCGGCTTCGCAAGGATCTCACTACAGAACTGAGTTGGGAGCTGATCATC
 CCCCCAGAAGTGAACGGGTCTGCCAGGTGAAGGGGAAGCGCAGCAGTGAGCACGTGCACTCCCAGGGCC
 GGGTGATGGGGGATCGAAGCGTGTCTTACAAGAGTCTGAACCCCAACTTGTGGCTGTGGTGACGGAGAG
 CACGGATGTCCATCACGAGCGCACCTTTATTGGCATCTTCTCATTGACGGTGTCACTGGCCGATTATC
 CACTCCTCTGTGCAGAAGAAGGCTAGGGGCCCTGTCCACCTTGTGCATTAGAGAACTGGTGGTGTACC
 AGTACTGGAAGTCTAAGGCTCGGCGCAATGAGCTGACGGCCCTGGAGCTCTACGAGGGCACTGAGCAGTA
 CAATGCCACTGCCTTCAGCTCCCTAGACCGACCCAGTCCCCAGGTCCTCCAGCAGTCTACATCTTC
 CCTTCTCCATCAGTGCCATGGAGGCTACCATCACCGAGCGGGGATCACCAGCCGGCACTTGCTATTG
 GGCTGCCTTCTGGAGCAATCCTTTCCCTCCCCAAGCCTTGCTGGATCCCCGGCGCCAGAGATCCCAAC
 AGAACAAAGCAGAGAAGAGAACCTGATCCCGTATTCCCAGATGTCCAGGTCCATGCAGAGCGATTATC
 AACTATAACCAGACAGTCTCTCGAATGCGAGGCATCTATACAGCGCCCTCAGGCCTGGAGTCCACATGTT
 TGGTTGTGGCCTATGGTCTGGATATTTACCAAACCTCGAGTTTACCCATCCAAGCAGTTCGATGTCCTGAA
 AGATGACTATGACTATGTGCTCATCAGCAGTGTCTTTTGGCCTGGTTTTGCCACCATGATCACAAG
 AGGCTGGCACAGGTGAACTCCTCAATCGAGCCTGGCGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001108690
Insert Size:	2982 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:	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_001108690.1, NP_001102160.1</u>
RefSeq Size:	6364 bp
RefSeq ORF:	2982 bp

Locus ID: 362643

Cytogenetics: 5q36