

Product datasheet for MC212455

Eme2 (NM_001163102) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eme2 (NM_001163102) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eme2
Synonyms:	2810013J18Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC212455 representing NM_001163102 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGAGGTTGGTCCCGGGAGAGTCACGGTCTCGGTCTCGGTCCGGTCCGGGCTGCGTCTCGGCCATCGGC
GACCTCAAACCTGGGAGATTTCCGACTCAGACGGTGAAGGTGTCCCCGCTAGGGAGTCCGCACGCAAGC
CCCGAGTCCAGCAGGAGAGCGCAGAGCTGCAGCAAGGCTTTACGGGCAGATCAGTTCTGGGGCGACTG
GTGGTGTGCGTGGACCCAGCTGTCTGGAAGATGCAGGCTCTGACATCCTGATGGAGGCGCTGGGCACGC
TAGGCTGTGAATGCCGCATCGAACCCGACACCAGGCCCGCAGCCTGCAGTGGAACGTTGTCAAGGCCGA
CCCGGCCCCAGCAATGTGCCTCTGGAGGCGAAGGCTGAAAATGAGCAGGAACAGTTGCTGCTGCTGGAA
CCCCAGGAATTTCTTCAGGGTGTGCGCAGCTGACCCAGATCACAGATCCACCTTGCTCCATCCCCTGGC
TTTCTCCCAAGAGTCTCACCCGCTCCCATCTGGCTGTCTATTGGACTGGACGCATACCTGTGGTCTCACCA
GCTCAGTTCTCAGAAGACATGGCAACTAAAGAAGTCAAAGGAAGCCCATGCCAGGGGAGCCATCAGCTGG
GCTGAGGTGGAGGAGATCCTGGTGTCTGTCAGCTCCATGCAAACCTGGATGTGCTGTGATGGCTTCGT
GGCAGGAGCTGAGTCAGTACGTGTGTGCCTTACCAGGGCCCTCTCGCAGCTCCCCTCGAAGCAGCACCG
GGACTCCCAGGCCTTTTCTTTCTGCACAGCAGGGCACTGGGCCTCAGGCCAGCAAGTGACCAGAGATGGC
TCTGGGCTCAGAGGAGTGTGGTGGCGACAAATCAGACAGTTCAACCGGGTCAGCCAGCTGTGGCTGACG
CTGTTGTTACTGCCTTCCCATCACCCCGCTTTTGCAACAGGCTCTCCTGGACTGCAGCACAGAGCAAGA
ACGCCTGAGCCTCCTAGCTGATCTCCCTGTGAAGGCCACAAAGGCAAGCAGCCTCGCAGAGTGGGGCT
GACCTCTACGCAGAATCTGTATCTTCTTGACAACCAACCCTGACCTCCTGCTGGACCTGAGCTCTT
GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001163102
Insert Size:	1122 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:	<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_001163102.1, NP_001156574.1</u>
RefSeq Size:	1521 bp
RefSeq ORF:	1122 bp
Locus ID:	193838
UniProt ID:	<u>Q56A04</u>
Cytogenetics:	17 A3.3
Gene Summary:	Interacts with MUS81 to form a DNA structure-specific endonuclease which cleaves substrates such as 3'-flap structures.[UniProtKB/Swiss-Prot Function]