

Product datasheet for **MC219234**

Eme1 (NM_177752) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eme1 (NM_177752) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eme1
Synonyms:	6820428D13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219234 representing NM_177752
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCTAAGAAGTTATCCCTGTCTCGCTCTCCACGGAGAGTGATTCTGAGGACCTGCCACATTTG
 CCTTTTGAAGAAGGAACCATCTTCAACCAACAGGAAGCCACCTCAGAGGGCGAAGAACATAGTGGTTGT
 CACCTCAGATTCTGAAGCCTCCTGTCTCCATCACCAGGCCTCAAAGGTCACCATGTGTCCCCAGTGCA
 GCTGGAGCTCCCCACAAGCAGGGCCAGTCAGAGTGCTAAGCAGTAGCAGTGAGGACGAAGATGATTTTG
 TCCCCCTAGCTGAGAGGATCACATGTAAGCTTTTGACGAGCAAGCAGCTGTGCCCTGAGCTCTAGCTC
 CTCACTTAAAACAGGTTTGGATGGCCAAAATAATGCCAGCGCACCATGTGACTGGAAAAGGCAACCATGG
 CCAAAGATTCCCAGTGTCCCCTCCACGGTGCCTTAGAGAAGAGTGCTGCAAATGATGAGGACTCTCTCT
 TAGACGATCAGTGTGTCAGCTTCCAACCTACCAGGCTACCTGCAGGGAGCTGGCAGTCTCCAAAACAAA
 TTCCGACCGACCTCTACCAAGAAGAGAACCAAGCATATTCAGACGGTCCAGAGCGGAGGCTCTCAGGGA
 TGCTGGCGACCGGACAGGCAAGCAGGAAGGAAAACACCCCGAGGCAGCATGAAAGAAAAAGAAAGGCAG
 AGATGATCAAGAGGCTCAAAGCCAGAGGCCAGAGGAATGCCTGAAGCACATCGTGGTGGTGTGGATCC
 AGTGCTTTTACAGATGGAAGGTGGGGGCCAGCTCCTGGGAGCGCTGCAGGCCATGGAGTGACAGTGTGTG
 ATTGAAGTCCAGGCCATACCTCGAAGCATCACTTGGAGGAGGAGGAGGACAGAGCTGGTAGAGGATGGAG
 ATGACTGGATGGAAGAGCCAACAATCCTGGTGTGGTCTTGGCAGAGGTCTTATGTCCATGGCCTACAA
 CTTAAAGCAGGCAAGTCTAGCAGCACCGAGAAAGGGAAGGAGACCCTTCGGAGCTTTGTAAGTGTGTC
 ACAGCAAAGACGGGAAAGCATTGTCACTGGTGATTGTGGACCAGGAGAAATGCTTCAGGCCTCAGAATC
 CCCCAGGAGAAGGAAATCAGGAATGGCAAATAAACAGGCCAAAGCGAAGCATCAGCAGAGGCAAGAGTC
 TAGCACGGGACTCATGGTGTCCAGGGCAGACATGGAGAAGGCACCTGGTGGATCTGCAGCTTTATACAGAA
 GCCCAGGCGTGGATGGTGCAGAGCTGGAAGGAGCTGGCGGACTTACCTGTGCATTTACAAGGCTGTGG
 CTGAAGCACCTTCAAGAAGCTCCGGGATCAAGTCACCTTTTCTTCTTCTTGGAGAAAGACTGGGCTGG
 AGGGATGAAAGTGGACCAGTCCGGCAGGGGACTGGCACTGATCTGGAGGCGGCAGATCCAGCAGCTGAAC
 CGAGTCAGCTCGGAGATGGCCAGTGCTATTGTGGACGCCATCCCTCACCACAGCTCCTGGTGCAGGCTT
 ATCAGCGGTGTTTCTCTGAGCAAGAACGTCAGAATTTGCTGGCTGACATACAAGTGCAGCTGGGGAAGG
 TGTGACAGCCACCTCCCCTGTTGGCCAGAATTATCCAGGCGGATCTACCTCAAATGACCACAGCG
 CAACCAGATCTCATCTTAGACAGTGTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_177752
- Insert Size:** 1713 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: [NM_177752.4](#), [NP_808420.1](#)

RefSeq Size: 2228 bp

RefSeq ORF: 1713 bp

Locus ID: 268465

UniProt ID: [Q8BJW7](#)

Cytogenetics: 11 D

Gene Summary: Interacts with MUS81 to form a DNA structure-specific endonuclease with substrate preference for branched DNA structures with a 5'-end at the branch nick. Typical substrates include 3'-flap structures, replication forks and nicked Holliday junctions. May be required in mitosis for the processing of stalled or collapsed replication forks.[UniProtKB/Swiss-Prot Function]