

Product datasheet for **SC327602**

EME1 (NM_001166131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EME1 (NM_001166131) Human Untagged Clone
Tag:	Tag Free
Symbol:	EME1
Synonyms:	MMS4L; SLX2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

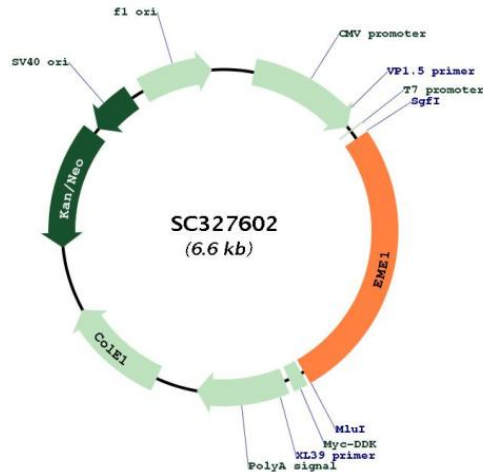


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Fully Sequenced ORF: >SC327602 representing NM_001166131.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCTAAAGAAGTCATCACCTCACTGGATTCTGGTGATAGTACTCTGAGGAGTTGCCAACATTT
GCCTTTCTGAAGAAGGAACCATTTCAACAAAGAGGAGACAGCCTGAAAGGGAAGAGAAGATTGTAGTG
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TCCACTTCTCGCCGATTGGACCAGAATATCCAGGCGTATCTACCTTACAGTACCCTTACAGCCA
CATCTCTTTAGATAGTGCTGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001166131

Insert Size: 1752 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001166131.1](#)

RefSeq Size: 2371 bp

RefSeq ORF: 1752 bp

Locus ID: 146956

UniProt ID: [Q96AY2](#)

Cytogenetics: 17q21.33

Protein Pathways: Homologous recombination

MW: 64.8 kDa

Gene Summary: This gene encodes a protein that complexes with methyl methanesulfonate-sensitive UV-sensitive 81 protein to form an endonuclease complex. The encoded protein interacts with specific DNA structures including nicked Holliday junctions, 3'-flap structures and aberrant replication fork structures. This protein may be involved in repairing DNA damage and in maintaining genomic stability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).