

Product datasheet for **SC315700**

EMG1 (NM_006331) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EMG1 (NM_006331) Human Untagged Clone
Tag:	Tag Free
Symbol:	EMG1
Synonyms:	C2F; Grcc2f; NEP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006331, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCGCCAGTGATGGATTCAAGCCTCGTGAACGAAGCGGTGGGGAGCAGGCACAGGACTGGGATG
CTCTGCCACCCAAGCGGCCCGACTAGGGGCAGGAAACAAGATCGGAGGCCGTAGGCTTATTGTGGTGCT
GGAAGGGGCCAGTCTGGAGACAGTCAAGGTAGGGAAGACATATGAGCTACTCAACTGTGACAAGCACAAG
TCTATATTGTTGAAGAATGGACGGGACCCTGGGAAGCGCGCCAGATATCACCCACCAGAGTTTGTCTGA
TGCTGATGGATAGTCCCCTGAACCGAGCTGGCTTGCTACAGGTTTATATCCATACACAGAAGAATGTTCT
GATTGAAGTGAATCCCCAGACCCGAATCCAGAACCTTTGACCGCTTTTGTGGCCTCATGGTTCAACTT
TTACACAAGCTCAGTGTTTCGAGCAGCTGATGGCCCCAGAAGCTTTTGAAGGTAATTAAGAATCCAGTAT
CAGATCACTTTCCAGTTGGATGTATGAAAGTTGGCACTTCTTTTCCATCCCGGTTGTCAGTGATGTGCG
TGAGCTGGTGCCAGCAGTGATCCTATTGTTTTGTGGTAGGGGCCTTTGCCCATGGCAAGGTCAGTGTG
GAGTATACAGAGAAGATGGTGTCCATCAGTAACTACCCCTTTCTGCTGCCCTCACCTGTGCAAACTTA
CCACAGCCTTTGAGGAAGTATGGGGGTCATTTGA
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Restriction Sites:	Please inquire
ACCN:	NM_006331
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).



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OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_006331.4</u> , <u>NP_006322.2</u>
RefSeq Size:	1019 bp
RefSeq ORF:	735 bp
Locus ID:	10436
UniProt ID:	<u>Q92979</u>
Cytogenetics:	12p13.31
Domains:	Mra1
Gene Summary:	<p>This gene encodes an essential, conserved eukaryotic protein that methylates pseudouridine in 18S rRNA. The related protein in yeast is a component of the small subunit processome and is essential for biogenesis of the ribosomal 40S subunit. A mutation in this gene has been associated with Bowen-Conradi syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>