

## Product datasheet for **SC321124**

### 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:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_006331.4  
GGGGGCGTTAGCGCAACTTCCGGTATTGTTGCAAGATGGCCGCGCCAGTGATGGATTCA  
AGCCTCGTGAACGAAGCGGTGGGGAGCAGGCACAGGACTGGGATGCTCTGCCACCCAAGC  
GGCCCCGACTAGGGGCAGGAAACAAGATCGGAGGCCGTAGGCTTATTGTGGTGCTGGAAG  
GGCCAGTCTGGAGACAGTCAAGGTAGGGAAGACATATGAGCTACTCAACTGTGACAAGC  
ACAAGTCTATATTGTTGAAGAATGGACGGGACCCTGGGAAGCGCGGCCAGATATCACCC  
ACCAGAGTTTGCTGATGCTGATGGATAGTCCCCTGAACCGAGCTGGCTTGCTACAGGTTT  
ATATCCATACACAGAAGAATGTTCTGATTGAAGTGAATCCCCAGACCCGAATCCCAGAA  
CCTTTGACCGCTTTTGTGGCCTCATGGTTCAACTTTTACACAAGCTCAGTGTTCGAGCAG  
CTGATGGCCCCAGAAGCTTTTGAAGGTAATTAAGAATCCAGTATCAGATCACTTTCCAG  
TTGGATGTATGAAAGTTGGCACTTCTTTTCCATCCCGGTTGTCAGTGATGTGCGTGAGC  
TGGTGCCAGCAGTGATCCTATTGTTTTGTGGTAGGGGCTTTGCCCATGGCAAGGTCA  
GTGTGGAGTATACAGAGAAGATGGTGTCCATCAGTAACTACCCCTTTTCTGCTGCCTCA  
CCTGTGCAAACTTACCACAGCCTTTGAGGAAGTATGGGGGTCATTTGACAGTAGTAGA  
ACCTGTTCTGAAACCAGAACTGTTGATGTCACATCCTTTGACCCTGGTCTGAGCTGACT  
GCTGGAAGATGATCTTTCTGCACTGAGACTGTGGAGTTTGGGAAGCCAAGGCTGTACAT  
TTGCTATTTGTTATCCTATGAATACTGTTCTTGCAAAAAAAAAAAAAAAAAAAAAAAAAA

**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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<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006331.4</a> , <a href="#">NP_006322.2</a>
<b>RefSeq Size:</b>	1019 bp
<b>RefSeq ORF:</b>	735 bp
<b>Locus ID:</b>	10436
<b>UniProt ID:</b>	<a href="#">Q92979</a>
<b>Cytogenetics:</b>	12p13.31
<b>Domains:</b>	Mra1
<b>Gene Summary:</b>	<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>