

## Product datasheet for **RC235885**

### EDF1 (NM\_001281299) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** EDF1 (NM\_001281299) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** EDF1  
**Synonyms:** CFAP280; EDF-1; MBF1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC235885 representing NM\_001281299  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

**ATGGCCGAGAGCGACTGGGACACGGTGACGGTGTGCGCAAGAAGGGCCCTACGGCCGCCAGGCCAAAT**  
**CCAAGCAGGCTATCTTAGCGGCACAGAGACGAGGAGAAGATGTGGAGACTTCCAAGAAATGGGCTGTGG**  
**CCAGAACAACAACATTCTATTACCAAGAACACGGCCAAGCTGGACCGGGAGACAGAGGAGCTGCACCAT**  
**GACAGGGTGACCCCTGGAGGTGGGCAAGAAAATCAATGAGAAGCCACAGGTGATCGCGGACTATGAGAGCG**  
**GACGGGCCATACCAATAACAGGTGCTTGGCAAATCGAGCGGGCCATTGGCCTCAAGCTCCGGGGAAA**  
**GGCATTGGAAAGCCATCGAGAAGGGGCTAGGGCGAAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC235885 representing NM\_001281299  
**Red**=Cloning site **Green**=Tags(s)

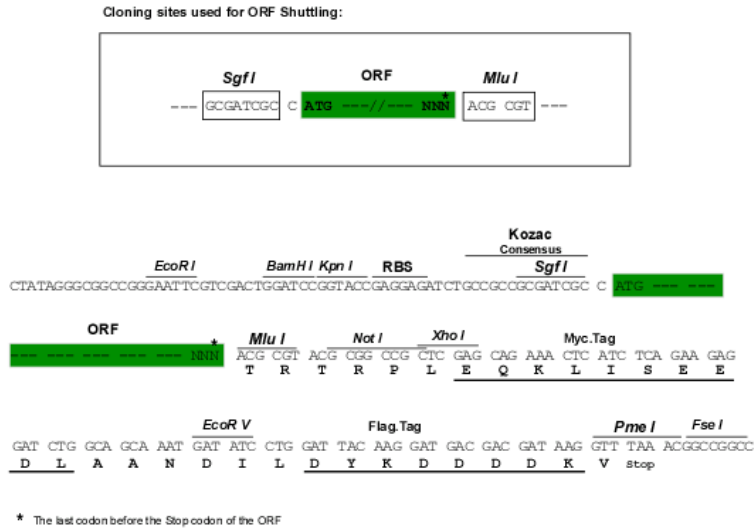
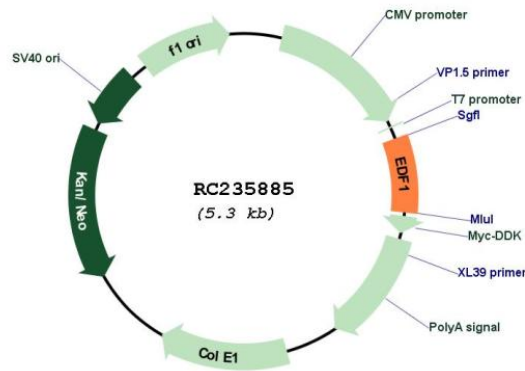
MAESDWDVTVLRKKGPTAAQAKSKQAILAAQRRGEDVETSKKWAAGQNKQHSITKNTAKLDRETEELHH  
DRVTLEVGKKINEKPQVIADYESGRAIPNNQVLGKIERAIGLKLKRGKDIGKPIEKGPRAK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_001281299

ORF Size: 390 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001281299.2</a>
<b>RefSeq Size:</b>	647 bp
<b>RefSeq ORF:</b>	393 bp
<b>Locus ID:</b>	8721
<b>UniProt ID:</b>	<a href="#">O60869</a>
<b>Cytogenetics:</b>	9q34.3
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>MW:</b>	14.9 kDa
<b>Gene Summary:</b>	This gene encodes a protein that may regulate endothelial cell differentiation, lipid metabolism, and hormone-induced cardiomyocyte hypertrophy. The encoded protein has also been found to act as a transcriptional coactivator by interconnecting the general transcription factor TATA element-binding protein (TBP) and gene-specific activators. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]