

## Product datasheet for **SC333884**

### EDF1 (NM\_001281297) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EDF1 (NM_001281297) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDF1
Synonyms:	CFAP280; EDF-1; MBF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333884 representing NM_001281297. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCGAGAGCGACTGGGACACGGTGACGGTGCTGCGCAAGAAGGGCCCTACGGCCGCCAGGCCAAA
TCCAAGCAGGCTATCTTAGCGGCACAGAGACGAGGAGAAGATGTGGAGACTTCCAAGAAATGGGCTGCT
GGCCAGAACAAACAACATTCTATTACCAAGAACACGGCCAAGCTGGACCGGAGACAGAGGAGCTGCAC
CATGACAGGGTGACCCTGGAGGTGGCAAGGTGATCCAGCAAGGTCGGCAGAGCAAGGGGCTTACGCAG
AAGGACCTGGCCACGAAAATCAATGAGAAGCCACAGGTGATCGCGGACTATGAGAGCGGACGGGCCATA
CCCAATAACCAGGTGCTTGGCAAAATCGAGCGGGCCATTGATGTGGGAACCAGGAGTGCTCGTGTGCTG
AGAGCCCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001281297
Insert Size:	426 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).



<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>	<u>NM_001281297.1</u>
<b>RefSeq Size:</b>	852 bp
<b>RefSeq ORF:</b>	426 bp
<b>Locus ID:</b>	8721
<b>UniProt ID:</b>	<u>O60869</u>
<b>Cytogenetics:</b>	9q34.3
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>MW:</b>	15.6 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 3'-terminal exon, which leads to a translational frameshift, compared to variant alpha. The encoded isoform (3) has a shorter and distinct C-terminus, compared to isoform alpha.</p>