

Product datasheet for **RC235990**

EDF1 (NM_001281297) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EDF1 (NM_001281297) 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: >RC235990 representing NM_001281297
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGAGAGCGACTGGGACACGGTGACGGTGCTGCGCAAGAAGGGCCCTACGGCCGCCAGGCCAAAT
CCAAGCAGGCTATCTTAGCGGCACAGAGACGAGGAGAAGATGTGGAGACTTCCAAGAAATGGGCTGCTGG
CCAGAACAACAACATTCTATTACCAAGAACACGGCCAAGCTGGACCGGGAGACAGAGGAGCTGCACCAT
GACAGGGTGACCTGGAGGTGGCAAGGTGATCCAGCAAGGTCCGGCAGAGCAAGGGGCTTACGCAGAAGG
ACCTGGCCACGAAAATCAATGAGAAGCCACAGGTGATCGCGGACTATGAGAGCGGACGGGCCATACCCAA
TAACCAGGTGCTTGGCAAATCGAGCGGGCCATTGATGTGGGAACCAGGAGTGCTCGTGTGCTGAGAGCC
CAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235990 representing NM_001281297
Red=Cloning site Green=Tags(s)

MAESDWDVTVLRKKGPTAAQAKSKQAILAAQRRGEDVETSKKWAAGQNKQHSITKNTAKLDRETEELHH
DRVTLEVGKVIQQGRQSKGLTQKDLATKINEKPQVIADYESGRAIPNNQVLGKIERAIDVGTTRSARVLR
Q

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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_001281297.2</u>
RefSeq Size:	852 bp
RefSeq ORF:	426 bp
Locus ID:	8721
UniProt ID:	<u>O60869</u>
Cytogenetics:	9q34.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	16.1 kDa
Gene Summary:	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]