

Product datasheet for **SC333741**

EDF1 (NM_001281298) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDF1 (NM_001281298) 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:	>SC333741 representing NM_001281298. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGCCGAGAGCGACTGGGACACGGTGACGGTGCTGCGCAAGAAGGGCCCTACGGCCGCCAGGCCAAA
TCCAAGCAGGCTATCTTAGCGGCACAGAGACGAGGAGAAGATGTGGAGACTTCCAAGAAATGGGCTGCT
GGCCAGAACAAACAACATTCTATTACCAAGAACACGGCCAAGCTGGACCGGAGACAGAGGAGCTGCAC
CATGACAGGGTGACCCTGGAGAAAATCAATGAGAAGCCACAGGTGATCGCGGACTATGAGAGCGGACGG
GCCATACCAATAACCAGGTGCTTGGCAAATCGAGCGGGCCATTGGCCTCAAGCTCCGGGAAAGGAC
ATTGAAAAGCCATCGAGAAGGGCCTAGGGCGAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001281298
Insert Size:	384 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).



Reconstitution Method:

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: [NM_001281298.1](#)

RefSeq Size: 638 bp

RefSeq ORF: 384 bp

Locus ID: 8721

UniProt ID: [O60869](#)

Cytogenetics: 9q34.3

Protein Families: Druggable Genome, Transcription Factors

MW: 14.1 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]
Transcript Variant: This variant (4) uses an alternate in-frame splice site in the central coding region, compared to variant alpha. The encoded isoform (4) is shorter, compared to isoform alpha.