

Product datasheet for **RN215309**

Edf1 (NM_001106557) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Edf1 (NM_001106557) Rat Untagged Clone
Tag: Tag Free
Symbol: Edf1
Synonyms: CAP-19
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215309 representing NM_001106557
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGAGAGTGACTGGGACACCGTGACGGTGCTGCGCAAGAAGGGCCCCACGGCCGCACAGGCCAAGT
CTAAGCAGGCCATCTTAGCAGCTCAGCGACGAGGAGAAGATGTGGAGACATCCAAAAATGGGCTGCTGG
CCAGAACAAGCAGCATTCCATCACTAAAAACACAGCCAAGCTAGACCGGGAGACAGAGGAGCTGCACCAC
GACAGGGTGACCTGGAGGTGGCAAAAGTGATCCAGCGGGCCGGCAGAGCAAAGGCCTGACGCAGAAGG
ACCTGGCCACGAAAATCAATGAAAAGCCGCAAGTCATCGCAGACTATGAAAGTGGACGGGCCATTCCGAA
TAACAGGTTTTGGGCAAATTGAGAGAGCCATCGGCCTCAAGCTCCGGGGGAAGGACATCGGGAAGCCT
ATCGAGAAAGGGCCGAAGGCGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001106557
Insert Size: 447 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).



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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_001106557.1, NP_001100027.1</u>
RefSeq Size:	685 bp
RefSeq ORF:	447 bp
Locus ID:	296570
UniProt ID:	<u>P69736</u>
Cytogenetics:	3p13
Gene Summary:	Transcriptional coactivator stimulating NR5A1 and ligand-dependent NR1H3/LXRA and PPARG transcriptional activities. Enhances the DNA-binding activity of ATF1, ATF2, CREB1 and NR5A1. Regulates nitric oxid synthase activity probably by sequestering calmodulin in the cytoplasm. Might function in endothelial cells differentiation, hormone-induced cardiomyocytes hypertrophy and lipid metabolism (By similarity).[UniProtKB/Swiss-Prot Function]