

Product datasheet for **RR215309L3V**

Edf1 (NM_001106557) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Edf1 (NM_001106557) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Edf1
Synonyms:	CAP-19
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001106557
ORF Size:	444 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR215309).
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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001106557.1 , NP_001100027.1
RefSeq Size:	685 bp
RefSeq ORF:	447 bp
Locus ID:	296570
UniProt ID:	P69736
Cytogenetics:	3p13



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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]