

Product datasheet for **RR214158**

Ednra (NM_012550) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ednra (NM_012550) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ednra
Synonyms:	Endor; ET-A; ET-AR; Eta; RGD1559432
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214158 representing NM_012550
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGTCCTTTGCTTTCTGGCGTCCTTTGGCTGGCCCTGGTGGGAGGCGCAATCGTGACAATGCTG
 AGAGATACAGTGCTAATCTAAGCAGCCAGTGGAGGACTTCACCCCTTTCCAGGGACAGAGTTCGACTT
 TCTGGGACACCCCTTCGACCCCTAATTTGGCCCTGCCTAGCAATGGCTCAATGCATGGCTATTGCCCA
 CAGCAGACAAAAATCACGACGGCTTTCAAATATATCAACACTGTGATATCCTGTACCATTTTCATCGTGG
 GAATGGTGGGAAACGCCACTCTCCTAAGAATCATTTACAAAACAAGTGTATGAGGAACGCCCAATGC
 GCTCATAGCCAGCCTGGCCCTGGAGACCTTATCTACGTGGTCATTGATCTCCCATCAATGTGTTAAG
 CTGTTGGCGGGCGCTGGCCTTTGACCACAATGATTTGGAGTGTCTCTGCAAGCTGTTCCCTTTT
 TGCAGAAGTCGTCGGTGGGCATCACTGTCTGAATCTCTGCGCTCTCAGTGTGGACAGGTACAGAGCAGT
 GGCTTCTGGAGCCGGTTCAAGGAATCGGGATCCCCTTGATTACCGCCATTGAAATGTCTCCATCTGG
 ATCCTTTCTTTATCTTGCCATCCCAGAAGCAATCGGCTTCGTCATGGTACCCTTCGAATACAAGGGCG
 AGCAGCACAGGACCTGCATGCTCAACGCCACGACCAAGTTCATGGAGTTTACCAAGACGTGAAGGACTG
 GTGGCTCTTTGGATTCTACTTCTGCATGCCCTTGGTGTGCACAGCAATCTTCTATACCCTCATGACCTGT
 GAGATGCTCAACAGAAGGAATGGGAGCTTGCAGATTGCCCTCAGCGAACACCTCAAGCAGCGTCGAGAGG
 TGGCAAAGACCGTCTTCTGCTTGGTTGTGATCTTCGCCCTGTGCTGGTCCCTCTTCACTTAAGCCGAAT
 TTTGAAGAAAACCGTCTATGATGAGATGGATAAGAACCGGTGTGAACTGCTCAGCTTCTTGTGCTCATG
 GATTACATTGGCATTAACTGGCAACCATGAACTTGCATAAACCCAATAGCTCTGATTTTGTGAGCA
 AGAAATCAAAAATTGTTTTAGTCATGCCTCTGTTGCTGTTGTACCAGTCCAAAAGCCTCATGACCTC
 GGTCCCATGAATGGAACGAGTATCCAGTGAAGAACCAGGAGCAGAACCACAACACAGAACGGAGCAGC
 CACAAGGACAGCATGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214158 representing NM_012550
 Red=Cloning site Green=Tags(s)

MGVLCFLASFWLALVGGAIADNAERYSANLSSHVEDFTPFPGTEFDLGTTLRPPNLALPSNGSMHGYCP
 QQTKITTAFKYINTVISCTIFIVGMVGNATLLRIYQNKCMRNGPNALIASLALGDLIYVVIDLPINVK
 LLAGRWPFHDHDFGVFLCKLFPFLQKSSVGITVLNLCALSVDRYRAVASWSRVQIGIPLITAIEIVSIW
 ILSFILAIPEAIGFVMVPFEYKGEQHRTCMLNATTKFMEFYQDVKDWLFGFYFCMPLVCTAIFYTLMT
 EMLNRRNGSLRIALSEHLKQRREVAKTVFCLVIFALCWFPPLHLSRILKKTVYDEMDKNRCELLSFLLLM
 DYIGINLATMNSCINPIALYFVSKKFKNCFQSLCCCCHQSKSLMTSVPMMNGTSIQWKNQEQNHTERSS
 HKDSMN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_012550

ORF Size: 1278 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

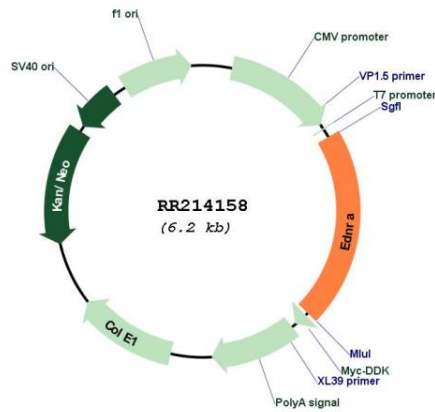
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_012550.2](#), [NP_036682.1](#)

RefSeq Size:	4595 bp
RefSeq ORF:	1281 bp
Locus ID:	24326
UniProt ID:	P26684
Cytogenetics:	19q11
MW:	48.3 kDa
Gene Summary:	binds endothelin 1 and induces an increase in intracellular calcium [RGD, Feb 2006]

Product images:


Circular map for RR214158