

## Product datasheet for RN214158

### Ednra (NM\_012550) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ednra (NM_012550) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ednra
Synonyms:	Endor; ET-A; ET-AR; Eta; RGD1559432
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214158 representing NM_012550 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGTGTCTTTGCTTTCTGGCGTCTTTGGCTGGCCCTGGTGGGAGGCGCAATCGTGACAATGCTG  
AGAGATACAGTGCTAATCTAAGCAGCCACGTGGAGGACTTCACCCCTTTCCAGGGACAGAGTTCGACTT  
TCTGGGACCACCCTTCGACCCCTAATTTGGCCCTGCCTAGCAATGGCTCAATGCATGGCTATTGCCCA  
CAGCAGACAAAAATCACGACGGCTTCAAATATATCAACACTGTGATATCCTGTACCATTTTCATCGTGG  
GAATGGTGGGGAACGCCACTCTCCTAAGAATCATTACCAAAAACAAGTGTATGAGGAACGCCCAATGC  
GCTCATAGCCAGCCTGGCCCTGGGAGACCTTATCTACGTGGTCATTGATCTCCCATCAATGTGTTAAG  
CTGTTGGCGGGCGCTGGCCCTTTGACCACAATGATTTGGAGTGTCTCTGCAAGCTGTTCCCTTTT  
TGCAGAAGTCGTCCGTGGGCATCACTGTCCTGAATCTCTGCGCTCTCAGTGTGGACAGGTACAGAGCAGT  
GGCTTCTGGAGCCGGTTCAAGGAATCGGGATCCCTTGATTACCGCCATTGAAATTGTCTCCATCTGG  
ATCCTTTCTTTATCTTGCCATCCCAGAAGCAATCGGCTTCGTCATGGTACCCTTGAATACAAGGGCG  
AGCAGCACAGGACCTGCATGCTCAACGCCACGACCAAGTTCATGGAGTTTACCAAGACGTAAGGACTG  
GTGGCTTTGGATTCTACTTCTGCATGCCCTTGGTGTGCACAGCAATCTCTATACCCTCATGACCTGT  
GAGATGCTCAACAGAAGGAATGGGAGCTTGCAGATTGCCCTCAGCGAACACCTCAAGCAGCGTCGAGAGG  
TGGCAAAGACCGTCTTCTGCTTGGTTGTCATCTTCGCCCTGTGCTGGTCCCTCTTCACTTAAGCCGAAT  
TTTGAAGAAAACCGTCTATGATGAGATGGATAAGAACCGGTGGAAGTCTCAGCTTCTTGTGCTCATG  
GATTACATTGGCATTAACTGGCAACCTGAACCTTGCATAAACCCAATAGCTCTGATTTTGTGAGCA  
AGAAATCAAAAATTGTTTTAGTCATGCCTCTGTTGCTGTTGTCACCAGTCCAAAAGCCTCATGACCTC  
GGTCCCATGAATGGAACGAGTATCCAGTGAAGAACCAGGAGCAGAACCACAACACAGAACGGAGCAGC  
CACAAGGACAGCATGAAC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_012550
<b>Insert Size:</b>	1281 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_012550.2</a> , <a href="#">NP_036682.1</a>
<b>RefSeq Size:</b>	4595 bp
<b>RefSeq ORF:</b>	1281 bp
<b>Locus ID:</b>	24326
<b>UniProt ID:</b>	<a href="#">P26684</a>
<b>Cytogenetics:</b>	19q11
<b>Gene Summary:</b>	binds endothelin 1 and induces an increase in intracellular calcium [RGD, Feb 2006]