

Product datasheet for **MR206815**

Ednra (NM_010332) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ednra (NM_010332) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ednra
Synonyms:	AEA001; ET-AR; ETa; Gpcr10; Mhdaaea1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206815 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTATCTTTTGCCTTGCGGCATACTTTGGCTGACCATGGTGGGAGCGTAATGGCTGACAATCCGG
 AGAGATACAGCGCTAATCTAAGCAGCCACATGGAAGACTTCACCCCTTTCCGGGACGGAGATCAACTT
 TCTGGGACACCCATCGACCCCTAATTTGGCCCTGCCTAGCAATGGCTCAATGCACGGCTATTGCCCA
 CAGCAGACTAAAAACAGCAGCTTTCAAATATATTAACACTGTGATATCCTGCACCATTTTCATCGTGG
 GAATGGTGGGAAACGCAACTCTACTACGAATCATTTACAAAACAAGTGTATGAGGAACGCCCAATGC
 GCTCATAGCCAGCCTGGCCCTTGAGACCTTATCTACGTGGTCATTGACCTCCCCATCAACGTGTTAAG
 CTCTTGGCAGGACGCTGGCCTTCGACCACAATGATTTTGGAGTGTCTCTGCAAGCTGTTCCCTTCC
 TGCAGAAGTCTCCGTGGGCATCACCGTCTTGAACCTCTGTGCTCTCAGTGTGGACAGGTACAGAGCAGT
 GGCTTCTGGAGCCGAGTTCAAGGAATCGGGATCCCCTTGATTACCGCCATTGAAATCGTCTCCATCTGG
 ATCTTTCTTTCATCTTGGCCATCCCGGAAGCAATCGGCTTCGTCATGGTACCCTTCGAATACAAGGGCG
 AGCTGCATAGGACCTGCATGCTCAACGCCACGTCCAAGTTCATGGAGTTTTACCAAGATGTGAAGGACTG
 GTGGCTCTTTGGTTCTACTTCTGCATGCCCTTGGTGTGCACAGCAATCTTCTACACCCTCATGACCTGT
 GAGATGCTCAACAGGAGGAACGGCAGCTTGGGATCGCCCTTAGTGAGCACCTCAACAGCGTCGAGAAG
 TGGCAAAGACTGTCTTCTGCTTGGTTGTGATCTTCGCCCTGTGCTGGTCCCTCTTCACTTAAGCCGCAT
 TTTGAAGAAAAGTGTATATGATGAGATGGATAAGAACCGGTGTGAACTGCTCAGCTTCTTGTGCTAATG
 GATTACATCGGCATTAACCTGGCAACCATGAATCTTGCATAAACCCAATAGCTCTATATTTTGTGAGCA
 AGAAATCAAAAATTGTTTTAGTCTGCTGCTGTTGCTGTTGTACCAGTCCAAAAGCCTCATGACCTC
 GGTCCCATGAATGGAACGAGTATCCAGTGAAGAACAAGAGCAGAACAACCACAACACGGAACGGAGC
 AGCCACAAGGACAGCATGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206815 protein sequence
 Red=Cloning site Green=Tags(s)

MSIFCLAAYFWLTMVGGVMADNPERYSANLSSHMEDFTPFPGTEINFLGTTTHRPPNLALPSNGSMHGYCP
 QQTKITTAFKYINTVISCTIFIVGMVGNATLLRIIYQNKCMRNGPNALIASLALGDLIYVVIDLPINVK
 LLAGRWPFDHDFGVFLCKLFPFLQKSSVGITVLNLCALSVDRYRAVASWSRVQIGIPLITAIEIVSIW
 ILSFILAIPEAIGFVMVPFEYKGEHLHRTCLNATSKFMEFYQDVKDWLFGFYFCMPLVCTAIFYTLMT
 EMLNRRNGSLRIALSEHLKQRREVAKTVFCLVVFALCWFPLHLRILKKTVYDEMDKNRCELLSFLLLM
 DYIGINLATMNSCINPIALYFVSKKFKNCFQSLCCCCHQSKSLMTSVPMMNGTSIQWKNQEQQNHNTERS
 SHKDSMN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_010332

ORF Size: 1284 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).

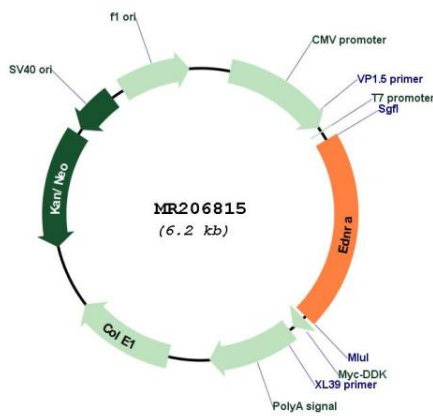
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_010332.2](#), [NP_034462.1](#)

RefSeq Size: 3643 bp
 RefSeq ORF: 1284 bp
 Locus ID: 13617
 UniProt ID: [Q61614](#)
 Cytogenetics: 8 C1
 MW: 48.6 kDa

Gene Summary: Receptor for endothelin-1. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of binding affinities for ET-A is: ET1 > ET2 >> ET3 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206815