

Product datasheet for **MG206815**

Ednra (NM_010332) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ednra (NM_010332) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ednra
Synonyms: AEA001; ET-AR; ETa; Gpcr10; Mhdaaea1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206815 representing NM_010332
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTATCTTTTGCCTTGCGGCATACTTTGGCTGACCATGGTGGGAGGCGTAATGGCTGACAATCCGG
 AGAGATACAGCGCTAATCTAAGCAGCCACATGGAAGACTTCACCCCTTTCCGGGACGGAGATCAACTT
 TCTGGGCACCACCATCGACCCCTAATTTGGCCCTGCCTAGCAATGGCTCAATGCACGGCTATTGCCCA
 CAGCAGACTAAAATCACGACAGCTTTCAAATATATTAACACTGTGATATCCTGCACCATTTTCATCGTGG
 GAATGGTGGGGAACGCAACTCTACTACGAATCATTACCAAACAAGTGTATGAGGAACGGCCCAATGC
 GCTCATAGCCAGCCTGGCCCTTGAGACCTTATCTACGTGGTCATTGACCTCCCATCAACGTGTTAAG
 CTCTTGGCAGGACGCTGGCCCTTCGACCACAATGATTTTGGAGTGTCTCTGCAAGCTGTTCCCTTCC
 TGCAGAAGTCTCCGTGGGCATCACCGTCTTGAACCTCTGTGCTCTCAGTGTGGACAGGTACAGAGCAGT
 GGCTTCTGGAGCCGAGTTCAAGGAATCGGGATCCCTTGATTACCGCCATTGAAATCGTCTCCATCTGG
 ATCTTTCTTTCATCTTGGCCATCCCGGAAGCAATCGGCTTCGTATGGTACCCTTGAATAACAAGGCGG
 AGCTGCATAGGACCTGCATGCTCAACGCCACGTCGAAGTTCATGGAGTTTACCAAGATGTGAAGGACTG
 GTGGCTCTTTGGTTCTACTTCTGCATGCCCTTGGTGTGCACAGCAATCTTACACCCTCATGACCTGT
 GAGATGCTCAACAGGAGGAACGGCAGCTTGCAGTCCCTTAGTGAGCACCTCAACAGCGTCCGAGAAG
 TGGCAAAGACTGTCTTCTGCTTGGTGTGCATCTTCGCCCTGTGCTGGTCCCTCTTCACTTAAGCCGCAT
 TTTGAAGAAAAGTATATGATGAGATGGATAAGAACCGGTGTAAGTGTCTCAGCTTCTTGTGCTAATG
 GATTACATCGGCATTAACCTGGCAACCATGAATCTTGCATAAACCCAATAGCTCTATATTTGTGAGCA
 AGAAATTCAAAAATTGTTTTAGTCTGCTCTGTTGCTGTTGTACCAGTCCAAAAGCCTCATGACCTC
 GGTCCCATGAATGGAACGAGTATCCAGTGAAGAACCAAGAGCAGAACAACCACAACACGGAACGGAGC
 AGCCACAAGGACAGCATGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206815 representing NM_010332
 Red=Cloning site Green=Tags(s)

```
MSIFCLAAFWLTMVGGVMADNPERYSANLSSHMEDFTPFPGTEINFLGTTHRPPNLALPSNGSMHGYCP
QQTKITTAFKYINTVISCTIFIVGMVGNATLLRIYQNKCMRNGPNALIASLALGDLIYVVIDLPINVK
LLAGRWPFDHNDFGVFLCKLFPFLQKSSVGITVLNLCALSVDRYAVASWSRVQIGIPLITAIEIVSIW
ILSFILAIPEAIGFVMVPFEYKGEHLHRTCLNATSKFMEFYQDVKDWWLFGFYFCMPLVCTAIFYTLMTC
EMLNRRNGSLRIALSEHLKQRREVAKTVFCLVVIFALCWFPPLHLSRILKKTVYDEMDKNRCELLSFLLLM
DYIGINLATMNSCINPIALYFVSKKFKNCFQSCLECCCHQSKSLMTSVPMMNGTSIQWKNQEQQNHNTERS
SHKDSMN
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010332

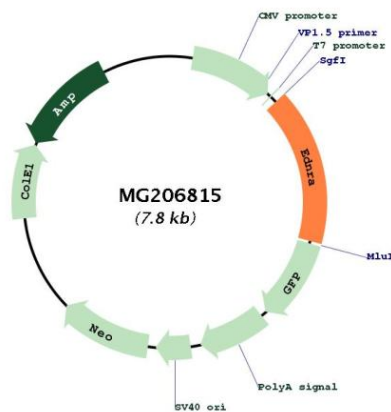
ORF Size: 1281 bp

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:	<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_010332.2, NP_034462.1</u>
RefSeq Size:	3643 bp
RefSeq ORF:	1284 bp
Locus ID:	13617
UniProt ID:	<u>Q61614</u>
Cytogenetics:	8 C1
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 MG206815