

Product datasheet for **MC200257**

Ednra (NM_010332) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ednra (NM_010332) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ednra
Synonyms:	AEA001; ET-AR; ETa; Gpcr10; Mhdaaea1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC008277 sequence for NM_010332
 GTCTAGGAGCCTGTGGAGTCTAAGGAAGATCGCGGGAGGCGTGTTCTCCGGAGTTTGCTTTTCCTTGGG
 AGCCTCGCGCGCACACCCATCCCTTCTAGTCTGGCAACTGTGTCTAGGAGGTGGGGAGCCTCTCTCTGAT
 CCACCGGACCATCGCTGGAGCTTGACAGGCTGAGCAAGATCTCCCCTAGAGAAGCCTGGCTGTCCGGGGA
 AGTTTCCCGAGCTGAGACTGTGCTGCAGCCCTGGTCACCCGCCACCCTGCGGCCACCCTGTTCTCCA
 GCTCAGGCTCCGGCTGGCCCGTGCAGGACCTGGAGCTGTCTGCTTCCGAGGAGCTCTAAGGTGAAAAAA
 AGAAAGGCGTGAGACCAACATAAGAAGACTTAAAAATCCAGGTTAAGATGAGTATCTTTTGCCTTGCGGCA
 TACTTTTGGCTGACCATGGTGGGAGGCGTAATGGCTGACAATCCGGAGAGATACAGCGCTAATCTAAGCA
 GCCACATGGAAGACTTCAACCCCTTTTCCGGGGACGGAGATCAACTTTCTGGGCACCACCCATCGACCCCC
 TAATTTGGCCCTGCCTAGCAATGGCTCAATGCACGGCTATTGCCACAGCAGACTAAAATCACGACAGCT
 TTCAAATATATTAACACTGTGATATCCTGCACCATTTTCATCGTGGGAATGGTGGGGAACGCAACTCTAC
 TACGAATCATTTACAAAACAAGTGTATGAGGAACGGCCCAATGCGCTCATAGCCAGCCTGGCCCTTGG
 AGACCTTATCTACGTGGTCATTGACCTCCCATCAACGTGTTAAGCTCTTGGCAGGACGCTGGCCCTTC
 GACCACAATGATTTTGGAGTGTTTCTCTGCAAGCTGTTCCCTTCTGCAGAAGTCTCCGTGGGCATCA
 CCGTCTTGAACCTCTGTGCTCTCAGTGTGACAGGTACAGAGCAGTGGCTTCTGGAGCCGAGTTCAAGG
 AATCGGGATCCCCTTGATTACCGCCATTGAAATCGTCTCCATCTGGATTCTTTCCTTCATCTGGCCATC
 CCGGAAGCAATCGGCTTCGTATGGTACCTTCGAATACAAGGGCGAGCTGCATAGGACCTGCATGCCTCA
 ACGCCACGTCCAAGTTCATGGAGTTTACCAAGATGTGAAGGACTGGTGGCTCTTTGGGTCTACTTCTG
 CATGCCCTTGGTGTGCACAGCAATCTTCTACACCTCATGACCTGTGAGATGCTCAACAGGAGGAACGGC
 AGCTTGCGGATCGCCCTTAGTGAGCACCTCAAACAGCGTGCAGAAAGTGGCAAAGACTGTCTTCTGCTTGG
 TTGTATCTTTCGCCCTGTGCTGGTTCCTTCTCACTTAAGCCGCATTTTGAAGAAAAGTGTATATGATGA
 GATGGATAAGAACCGGTGGAAGTGTGCTCAGCTTCTTGTGCTAATGGATTACATCGGCATTAACCTGGCA
 ACCATGAATCTTGCATAAACCCCAATAGCTCTATATTTTGTGAGCAAGAAATTCAAAAATGTTTTTCAGT
 CCTGCCTCTGTTGCTGTTGTACCAAGTCCAAAAGCCTCATGACCTCGGTCCCATGAATGGAACGAGTAT
 CCAAGTGAAGAACCAAGAGCAGAACCAACAACACGGAACGGAGCAGCCACAAGGACAGCATGAACTAA
 CCCTCCGAGAAACACCGAGACGTGTGCCTTCAAGTCTAGGATGGAAACAACCATACGCCACAGATGC
 GCTCCCAAAACCTCCCAAGTCTCTCCATGCTCCTTTTCTAAGTCCATCTAGGAAAAGCTCTCCTGCC
 TCCCAACAGCACGTGGTGGACCGGTCCCAGCTATAGCCAATGGGTCTTTCCTGAGTACTGTATATGATTT
 GCATACCGCGCATGTCAATTTCAACACTTGAAAATTAGAGCTGGGAGAAAGGAGATGATGGTTCAAAGAA
 GCCACCTAGCTGCCGCTTTGCATGAACACAGAGTTTGAAGTTCATGACCAGCTCCGTGCAGTCTAT
 GGACCAGCTGGTGGAACTGTCCATCCTAAGATTCTAGAGCAGTGGGTCTCAACCTTCCCAATGCTGCAG
 CCCTTAATACAGTTCCTCATTTTCCAGTGACCCCCCAACCACAATATTATTTTTTGTGCTACTTCA
 ATTATTTTGAATTGTTATAATTGTCTGATATTTCTGATAGTCTTAGCCTGCCCTGTTAAAGGGTCATTA
 GCAACCCACAAGTTGAGAACCACTGCCCTAGAAATTTCTGTTGCGTTTCATGGCCCATGACTACAATCCTA
 AAATTGGAGAGGTGAGGGAAGATGGTCAAGGTGTTCAAGTTAGCCTCATCAACATAGTTCGGAAAAGCCA
 GGGCTACCTGTTCTACAAGACACAAACAGACAAAAAGTGTTCAAAGTTATGGCAGATTCAATATTATT
 AATTATTATTATCTATAGCCAAACACATTGTGAGGTTAAAGTACTCTTTTGGAAATGTCACCGAGTGT
 GGTACTTTATAACTGCATGGTACCCTAGAAATGATCGTTTCATCTTCTTCAATGTAAGAAAAAG
 AAATAGGAGAGTTCAGAAAGGAGATCTGAAAAGGAGATAATGTTTGAATGTAAGAAGGAAAAATCC
 AATAAAAAAATTCAAAGTCTAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_010332
Insert 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](#)

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: [BC008277](#), [AAH08277](#)

RefSeq Size: 2696 bp

RefSeq ORF: 1284 bp

Locus ID: 13617

UniProt ID: [Q61614](#)

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]