

Product datasheet for **MC227726**

Ednrb (NM_001276296) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ednrb (NM_001276296) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ednrb
Synonyms: ET-B; ET-BR; ETb; ETR-; ETR-b; Sox10; Sox10m1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227726 representing NM_001276296
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAATCGCCCGCAAGCCGGTGCAGCGCCCTTGGTGGCGCTGCTGCTGGCCTGTGGCTTCTTGGGG
 TATGGGGAGAGAAAAGAGGATCCACCTGCCAAGCCACGCTGTCACTTCTCGGACTAAAGAGGTAAT
 GACGCCACCCACTAAGACCTCCTGGACCAGAGGTTCCAACCTCCAGTCTGATGCGTTCCTCCGCACCTGCG
 GAGGTGACCAAAGGAGGGAGGGGGCTGGAGTCCCGCAAGATCCTTCCCTCCTCCGTGCCAACGAAATA
 TTGAGATCAGCAAGACTTTTAAATACATCAACACGATTGTGTCGTGCCTCGTGCTGAGGATCAT
 CGGGAACCTCCACGCTGCTAAGAATCATCTACAAGAACAAGTGCATGCGCAATGGTCCCAATATCTTGATC
 GCCAGTCTGGCTCTGGGAGACCTACTGCACATCATAGACATACCCATTAACACCTACAAGTTGCTCG
 CAGAGGACTGGCCATTTGGAGCTGAGATGTGTAAGCTGGTGCCTTCATACAGAAGGCTTCTGTGGGAAT
 CACAGTGTGAGTCTTTGTGCTTAAGTATTGACAGATATCGAGCTGTTGCTTCTGGAGTCGAATTA
 GGAATTTGGGTTCCAAAATGGACAGCAGTAGAAATGTTTTAATTTGGTGGTCTCTGTGGTTCTGGCTG
 TCCCCGAAGCCATAGGTTTTGATATGATTACGTCGGACTACAAAGGAAAGCCCTAAGGGTCTGCATGCT
 TAATCCCTTTAGAAAACAGCCTTCATGCAGTTTTACAAGACAGCCAAAGATTGGTGGCTGTTCAAGTTT
 TACTTCTGCTTGGCCGCTAGCCATCACTGCAGTCTTTTATACCCTGATGACCTGCGAAATGCTCAGGAAGA
 AGAGCGGTATGCAGATTGCTTTGAATGATCACTTAAAGCAGAGACGAGAAGTGGCCAAGACAGTCTTCTG
 CCTGGTCTCGTGTGCTCTGTTGGCTTCCCTTACCTCAGCCGGATCCTGAAGCTCACCTGTAT
 GACCAGAGCAATCCACACAGGTGTGAGCTTCTGAGCTTTTTGTTGGTTTTGGACTACATTGGTATCAACA
 TGGCTTCTTTGAACTCCTGCATCAATCCAATCGCTCTGTATTTGGTGGAGCAAAGATTCAAAAAGTCTT
 TAAGTCATGTTTGTGCTGCTGGTCCAAACGTTTGAGGAAAAGCAGTCTTGGAGGAGAAGCAGTCTGCG
 CTGAAGTTCAAAGCCAACGATCACGGATATGACAACCTCCGGTCCAGCAATAAATACAGCTCGTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001276296
Insert Size:	1329 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001276296.1</u> , <u>NP_001263225.1</u>
RefSeq Size:	2788 bp
RefSeq ORF:	1329 bp
Locus ID:	13618
UniProt ID:	<u>P48302</u>
Cytogenetics:	14 53.05 cM
Gene Summary:	<p>This gene encodes a member of the G-protein coupled receptor family. It encodes a receptor for endothelins, peptides that are involved in vasoconstriction. The encoded protein activates a phosphatidylinositol-calcium second messenger system and is required for the development of enteric neurons and melanocytes. Gene disruption causes pigmentation anomalies, deafness, and abnormal dilation of the colon due to defects of neural crest-derived cells. Mutations in this gene are found in the piebald mouse, and mouse models of Hirschsprung's disease and Waardenburg syndrome type 4. Renal collecting duct-specific gene deletion causes sodium retention and hypertension. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]</p> <p>Transcript Variant: This variant (3) differs in the 5' and 3' UTRs compared to variant 2. Variants 1, 2, and 3 encode the same protein.</p>