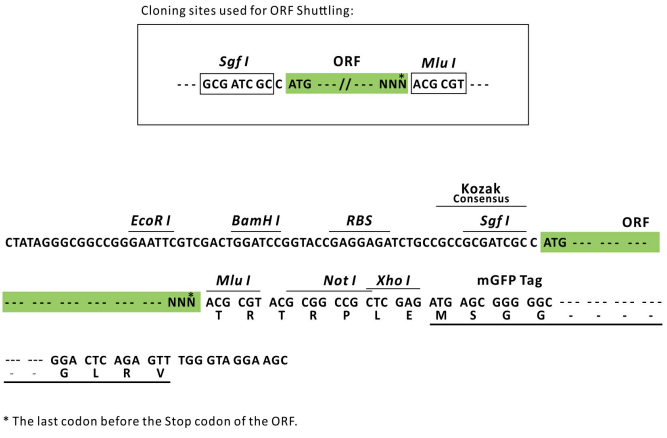
OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR222952L4

Ednrb (NM_001136061) Mouse Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ednrb (NM_001136061) Mouse Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Ednrb
Synonyms:	ET-B; ET-BR; ETb; ETR-; ETR-b; Sox10; Sox10m1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222952).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	



ACCN:	NM_001136061
ORF Size:	1326 bp

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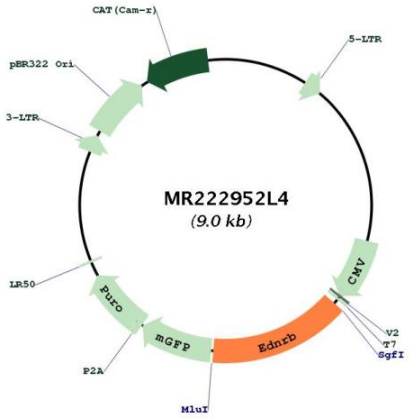
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_001136061.2, NP_001129533.1
RefSeq Size:	4191 bp
RefSeq ORF:	1329 bp
Locus ID:	13618
UniProt ID:	P48302
Cytogenetics:	14 53.05 cM
Gene Summary:	This gene encodes a member of the G-protein coupled receptor family. It encodes a receptor for endothelins, peptides that are involved in vasocontriction. 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]

Product images:



Circular map for MR222952L4