

#### OriGene Technologies, Inc.

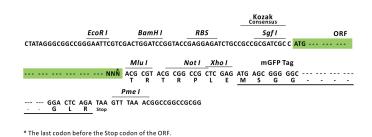
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for RC204899L2

### Endothelin B Receptor (EDNRB) (NM\_000115) Human Tagged Lenti ORF Clone

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Endothelin B Receptor (EDNRB) (NM_000115) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Endothelin B Receptor
Synonyms:	ABCDS; ET-B; ET-BR; ETB; ETB1; ETBR; ETRB; HSCR; HSCR2; WS4A
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204899).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf1         ORF         Mlu I            GCG ATC GC         ATG //         NNŇ ACG CGT



ACCN: ORF Size: NM\_000115 1326 bp

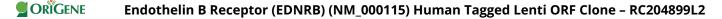


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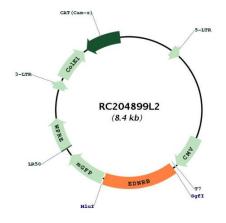
of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact 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 throug 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 infoOTI 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 liqui at the bottom.		ndothelin B Receptor (EDNRB) (NM_000115) Human Tagged Lenti ORF Clone – RC204899L2
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Protein Pathways:         Calcium signaling pathway, Melanogenesis, Neuroactive ligand-receptor interaction	Domains:	7tm_1
	Protein Families:	Druggable Genome, GPCR, Transmembrane
<b>MW:</b> 49.6 kDa	Protein Pathways:	Calcium signaling pathway, Melanogenesis, Neuroactive ligand-receptor interaction
	MW:	49.6 kDa

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Gene Summary:The protein encoded by this gene is a G protein-coupled receptor which activates a<br/>phosphatidylinositol-calcium second messenger system. Its ligand, endothelin, consists of a<br/>family of three potent vasoactive peptides: ET1, ET2, and ET3. Studies suggest that the<br/>multigenic disorder, Hirschsprung disease type 2, is due to mutations in the endothelin<br/>receptor type B gene. Alternative splicing and the use of alternative promoters results in<br/>multiple transcript variants. [provided by RefSeq, Oct 2016]

## **Product images:**



Circular map for RC204899L2

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