

## Product datasheet for **RC216462L4V**

### Endothelin B Receptor (EDNRB) (NM\_003991) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Endothelin B Receptor (EDNRB) (NM_003991) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Endothelin B Receptor
Synonyms:	ABCD5; ET-B; ET-BR; ETB; ETB1; ETBR; ETRB; HSCR; HSCR2; WS4A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003991
ORF Size:	1308 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216462).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_003991.1</a> , <a href="#">NP_003982.1</a>
RefSeq Size:	1578 bp
RefSeq ORF:	1311 bp
Locus ID:	1910
UniProt ID:	<a href="#">P24530</a>
Cytogenetics:	13q22.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane



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**Protein Pathways:** Calcium signaling pathway, Melanogenesis, Neuroactive ligand-receptor interaction

**MW:** 48.71 kDa

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