

Product datasheet for **KN204899**

Endothelin B Receptor (EDNRB) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	Endothelin B Receptor
Locus ID:	1910
Components:	KN204899G1 , Endothelin B Receptor gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAGTCTGTGCGGACGCGCCC KN204899G2 , Endothelin B Receptor gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTGCGGCCTGTGCGGATCT KN204899D , donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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TCCGAATCTC CGGCGCACTC CTGGGCGCGC TCGGGGAGCT GTAGCTCAGC CAGCCAGGGA GTAGCGGCTT
TCATCCGCCG GGAGGAGTCT TTCGAGTTCA ATCGCGGGT ATAGAGGTTT CCCTGCGGGG CAAAATGCAG
AGCTTGACAC AAGCCCTTGG CCTCTAGGTG CCTTAATTCC GCGGTTCCCA CGCACGCTTA ACTAAGACGT
GTCTGTATTC CTCCCGTTAC GTGAAAGAGT TCGGAGCTTT GCCTGGGACC CCCATCATT CCTCCCTGGC
ACACCCCTTC CAGAACGCCG CGCCCACTG CATATTATT ACCCTCCTG GCCACGCGGG GGAAGAAAAA
CAGCTGAGAG GGCATCAGGA AGGAGTTTCG ACCCGCGCTG GCGAGTCATG AGCGCCAAGT TTCCCACTGG
CGCGCAAAC T GAGTTACTT TTGAGCGTGG ATACTGGCGA AGAGGCTGCG GCGGGTATTA GCGTTTGCAG
CGACTTGCT CGGGCAGCTG ACCCAAGTGT CCTGTCTTCC TTCCTCTGCT TGTCTCTAGG CTCTGAAACT
GCGGAGCGGC CACCGGACGC CTTCTGGAGC AGGTAGCAGC CAGAGATAAT GACGCCACCC ACTAAGACCT
TATGGCCCAA GGGTTCCAAC GCCAGTCTGG CGCGTCTGTT GGCACCTGCG GAGGTGCTTA AAGGAGACAG
GACGGCAGGA TCTCCGCCAC GCACCATCTC CCCTCCCCG TGCCAAGGAC CCATCGAGAT CAAGGAGACT
TTCAAATACA TCAACACGGT TGTGTCTGTC CTTGTGTTTC TGCTGGGGAT CATCGGGAAC TCCACACTTC
TGAGAATTAT CTACAAGAAC AAGTGCATGC GAAACGTCC CAATATCTTG ATCGCCAGCT TGGCTCTGGG
AGACCTGCTG CACATCGTCA TTGACATCCC TATCAATGTC TACAAGTAA AGGGCGCTG CTGAAATCAT
GGTGGGCTTG AGGAAGGGG CCTGGTTGGA GACGGGGAGA TGAGAAAGCT TGAGAGGGA GCTTCCCTTT
AGTCCCTCT TAAGTTCTG CCCCTCTAA AAGTCAGTAA TCTTTGGAAC CAAATCCAT TTGGTTCTGT
CCTACTATAA AAGTCAGTAA CCATTGGAAT AAAATCCAT TCAGGTCTTC AGTAGACCTC TGCTAAGCTT
AGGACAAGCG
```

GE100003, scramble sequence in pCas-Guide vector



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Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

RefSeq: [NM_000115](#), [NM_001122659](#), [NM_001201397](#), [NM_003991](#)

UniProt ID: [P24530](#)

Synonyms: ABCDS; ET-B; ET-BR; ETB; ETBR; ETRB; HSCR; HSCR2; WS4A

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]

Product images:

