

Recombinant Human EDNRB

Cat. No. EDNRB-28559TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Endothelin B Receptor with a N terminal proprietary tag: predicted molecular weight 33.88 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	75 amino acids
Description	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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	33.880kDa inclusive of tags
Tissue specificity	Expressed in placental stem villi vessels, but not in cultured placental villi smooth muscle cells.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	EERGFPPDRATPLLQTAEIMTPPTKTLWPKGSNASLARSLAPAEVPGKDRTAGSPP RTISPPPCQGP I E I K E T F K
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRB sub-subfamily.

GENE INFORMATION

Gene Name	EDNRB endothelin receptor type B [Homo sapiens]
Official Symbol	EDNRB
Synonyms	EDNRB; endothelin receptor type B; HSCR, HSCR2; endothelin B receptor; ETB;
Gene ID	1910
mRNA Refseq	NM_000115
Protein Refseq	NP_000106
MIM	131244
Uniprot ID	P24530
Chromosome Location	13q22

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Pathway	Arf6 trafficking events, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Endothelins, organism-specific biosystem;
Function	G-protein coupled receptor activity; endothelin receptor activity; endothelin receptor activity; endothelin receptor activity; peptide hormone binding;

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