

## Recombinant Human EDNRB

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human Endothelin B Receptor with a N terminal proprietary tag: predicted molecular weight 33.88 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	75 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	33.880kDa inclusive of tags
<b>Tissue specificity</b>	Expressed in placental stem villi vessels, but not in cultured placental villi smooth muscle cells.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">EDNRB endothelin receptor type B [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">EDNRB</a>
<b>Synonyms</b>	EDNRB; endothelin receptor type B; HSCR, HSCR2; endothelin B receptor; ETB;
<b>Gene ID</b>	<a href="#">1910</a>
<b>mRNA Refseq</b>	<a href="#">NM_000115</a>
<b>Protein Refseq</b>	<a href="#">NP_000106</a>
<b>MIM</b>	<a href="#">131244</a>
<b>Uniprot ID</b>	<a href="#">P24530</a>
<b>Chromosome Location</b>	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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