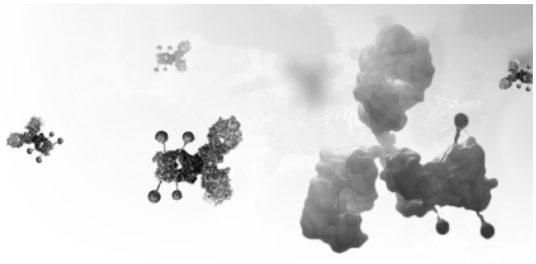

Human EDNRB peptide (DAG-P0480)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jan 2011]
Specificity	Expressed in placental stem villi vessels, but not in cultured placental villi smooth muscle cells.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRB sub-subfamily.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	EDNRB endothelin receptor type B [Homo sapiens (human)]
Official Symbol	EDNRB
Synonyms	EDNRB; endothelin receptor type B; ETB; ET-B; ETBR; ETRB; HSCR; WS4A; ABCDS; ET-BR; HSCR2; endothelin B receptor; endothelin receptor non-selective type;
Entrez Gene ID	1910

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mRNA Refseq	NM_000115.3
Protein Refseq	NP_000106.1
UniProt ID	P24530
Chromosome Location	13q22
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; Endothelin, organism-specific biosystem; Endothelins, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-l
Function	endothelin receptor activity; endothelin receptor activity; peptide hormone binding; protein binding; type 1 angiotensin receptor binding;

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