

Recombinant Human EDNRA

Cat. No. EDNRA-28562TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Endothelin A Receptor with N terminal proprietary tag, 32.56kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	63 amino acids
Description	This gene encodes the receptor for endothelin-1, a peptide that plays a role in potent and long-lasting vasoconstriction. This receptor associates with guanine-nucleotide-binding (G) proteins, and this coupling activates a phosphatidylinositol-calcium second messenger system. Polymorphisms in this gene have been linked to migraine headache resistance. Alternative splicing results in multiple transcript variants.
Molecular Weight	32.560kDa inclusive of tags
Tissue specificity	Isoform 1, isoform 3 and isoform 4 are expressed in a variety of tissues, with highest levels in the aorta and cerebellum, followed by lung, atrium and cerebral cortex, lower levels in the placenta, kidney, adrenal gland, duodenum, colon, ventricle and li
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 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	VISDNPERYSTNLSNHVDDFTTFRGTELSFLVTTHQPTNLVLPNSGSMHNYCPQQTK ITSAFK
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRA sub-subfamily.

GENE INFORMATION

Gene Name	EDNRA endothelin receptor type A [Homo sapiens]
Official Symbol	EDNRA
Synonyms	EDNRA; endothelin receptor type A; endothelin-1 receptor;
Gene ID	1909
mRNA Refseq	NM_001166055
Protein Refseq	NP_001159527
MIM	131243
Uniprot ID	P25101
Chromosome Location	4

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Pathway

Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; EGFR-dependent Endothelin signaling events, organism-specific biosystem; Endothelins, organism-specific biosystem;

Function

G-protein coupled receptor activity; endothelin receptor activity; phosphatidylinositol phospholipase C activity; receptor activity; signal transducer activity;

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