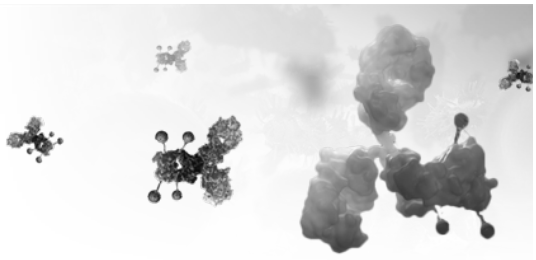

Rat EDNRA peptide (DAG-P1565)

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

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Oct 2009]
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
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRA 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	EDNRA endothelin receptor type A [Homo sapiens (human)]
Official Symbol	EDNRA
Synonyms	EDNRA; endothelin receptor type A; ETA; ET-A; ETAR; ETRA; ETA-R; hET-AR; endothelin-1

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	receptor; G protein-coupled receptor; endothelin receptor subtype A; endothelin-1-specific receptor;
Entrez Gene ID	1909
mRNA Refseq	NM_001166055.1
Protein Refseq	NP_001159527.1
UniProt ID	P25101
Chromosome Location	4q31.22
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; 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,
Function	endothelin receptor activity; phosphatidylinositol phospholipase C activity; protein binding;

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