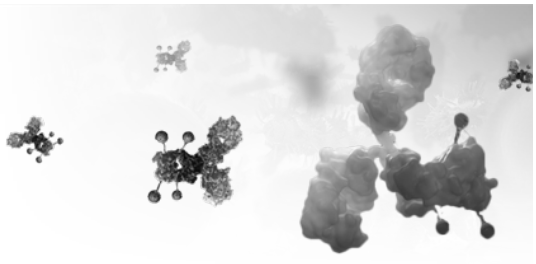

Human BDKRB2 peptide (DAG-P0155)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a receptor for bradykinin. The 9 aa bradykinin peptide elicits many responses including vasodilation, edema, smooth muscle spasm and pain fiber stimulation. This receptor associates with G proteins that stimulate a phosphatidylinositol-calcium second messenger system. Alternate start codons result in two isoforms of the protein. [provided by RefSeq, Jul 2008]
Specificity	Ubiquitous. Widespread in normal smooth muscle tissue and neurons.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family. Bradikinin receptor subfamily. BDKRB2 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	BDKRB2 bradykinin receptor B2 [Homo sapiens (human)]
Official Symbol	BDKRB2
Synonyms	BDKRB2; bradykinin receptor B2; B2R; BK2; BK-2; BKR2; BRB2; B2 bradykinin receptor; BK-2 receptor;

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Entrez Gene ID	624
mRNA Refseq	NM_000623.3
Protein Refseq	NP_000614.1
UniProt ID	P30411
Chromosome Location	14q32.1-q32.2
Pathway	ACE Inhibitor Pathway, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Direct p53 effect
Function	bradykinin receptor activity; phosphatidylinositol phospholipase C activity; protease binding; protein binding; protein heterodimerization activity; type 1 angiotensin receptor binding;

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