



Human BDKRB1 peptide (DAG-P0208)

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

PRODUCT INFORMATION

Antigen Description	Bradykinin, a 9 aa peptide, is generated in pathophysiologic conditions such as inflammation, trauma, burns, shock, and allergy. Two types of G-protein coupled receptors have been found which bind bradykinin and mediate responses to these pathophysiologic conditions. The protein encoded by this gene is one of these receptors and is synthesized de novo following tissue injury. Receptor binding leads to an increase in the cytosolic calcium ion concentration, ultimately resulting in chronic and acute inflammatory responses. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family. Bradykinin receptor subfamily. BDKRB1 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	BDKRB1 bradykinin receptor B1 [Homo sapiens (human)]
Official Symbol	BDKRB1
Synonyms	BDKRB1; bradykinin receptor B1; B1R; BKR1; B1BKR; BKB1R; BRADYB1; B1 bradykinin receptor; BK-1 receptor; bradykinin receptor 1; bradykinin B1 receptor;

Entrez Gene ID	623
mRNA Refseq	NM_000710.3
Protein Refseq	NP_000701.2
UniProt ID	P46663
Chromosome Location	14q32.1-q32.2
Pathway	ACE Inhibitor Pathway, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (q) signalling even
Function	bradykinin receptor activity; peptide binding; protein binding;