

Product datasheet for **SC119794**

BDKRB2 (NM_000623) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BDKRB2 (NM_000623) Human Untagged Clone
Tag:	Tag Free
Symbol:	BDKRB2
Synonyms:	B2R; BK-2; BK2; BKR2; BRB2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119794 sequence for NM_000623 edited (data generated by NextGen Sequencing)

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ATGTTCTCTCCCTGGAAGATATCAATGTTTCTGTCTGTTCTGTGAGGACTCCGTGCCACC
ACGGCCTCTTTACAGCGCGACATGCTCAATGTCACCTTGCAAGGGCCACTCTTAACGGG
ACCTTTGCCAGAGCAAATGCCCAAGTGGAGTGGCTGGGCTGGCTCAACACCATCCAG
CCCCCTTCTCTGGGTGCTGTTCTGTGCTGGCCACCCTAGAGAACATCTTTGTCTCAGC
GTCTTCTGCCTGCACAAGAGCAGCTGCACGGTGGCAGAGATCTACCTGGGGAACCTGGCC
GCAGCAGACCTGATCCTGGCCTGCGGGCTGCCCTTCTGGGCCATCACCATCTCCAACAAC
TTCGACTGGCTCTTTGGGAGACGCTCTGCCGCGTGGTGAATGCCATTATCTCCATGAAC
CTGTACAGCAGCATCTGTTTCTGATGCTGGTGTGAGCATCGACCGTACCTGGCCCTGGTG
AAAACCATGTCCATGGGCCGGATGCGCGGCGTGCCTGGGCAAGCTCTACAGCTTGGTG
ATCTGGGGGTGTACGCTGCTCCTGAGCTACCCATGCTGGTGTCCGGACCATGAAGGAG
TACAGCGATGAGGGCCACAACGTACCCGCTTGTGTATCAGCTACCCATCCCTCATCTGG
GAAGTGTTCACCAACATGCTCCTGAATGTGCTGGGCTTCTGCTGCCCTGAGTGTATC
ACCTTCTGCACGATGCAGATCATGCAGGTGCTGCGGAACAACGAGATGCAGAAGTTCAAG
GAGATCCAGACGGAGAGGAGGGCCACGGTGTAGTCTGGTGTGCTGCTGCTATTATC
ATCTGTGGCTGCCCTTCCAGATCAGCACCTTCTGGATACGCTGCATCGCCTCGGCATC
CTCTCCAGCTGCCAGGACGAGCGCATCATCGATGTAATCACACAGATCGCCTCCTTCATG
GCCTACAGCAACAGCTGCCTCAACCCACTGGTGTACGTGATCGTGGGCAAGCGCTTCCGA
AAGAAGTCTTGGGAGGTGTACCAGGAGTGTGCCAGAAAGGGGGCTGCAGGTGAGAACC
ATTGAGATGGAGAACTCCATGGGCACACTGCGGACCTCCATCTCCGTGGAACGCCAGATT
CACAAACTGCAGGACTGGGCAGGGAGCAGACAGTGA

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Clone variation with respect to NM_000623.3
792 a=>g



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000623 unedited NNNAAGTTCAAATTTGTATACGACTCATATAGGCGGCCGCGNAATCGGCTTNGATCATGT TCATCTCCCTGGNAAAATATCAATGTTTCTGTCTGTTCTGTGAGGACTCCGTGCCACCAC GGCCTCTTTCAGCGCCGACATGCTCAATGTCACCTTGCAAGGGCCCACTTTAACGGGAC CTTTGGCCAGAGCAAATGCCCAAGTGGAGTGGCTGGCTGGCTCAACACCATCCAGCC CCCCTTCTCTGGGTGCTGTTTCGTGCTGGCCACCCTAGAGAACATCTTTGTCCTCAGCGT CTTCTGCCTGCACAAGAGCAGCTGCACGGTGGCAGAGATCTACCTGGGGAACCTGGCCGC AGCAGACCTGATCCTGGCTGCGGGCTGCCCTTCTGGCCATCACCATCTCCAACAACCTT CGACTGGCTCTTTGGGAGACGCTCTGCCGCGTGGTGAATGCCATTATCTCCATGAACCT GTACAGCAGCATGTTTCTGATGCTGGTGGAGCATCGACCGCTACCTGGCCCTGGTGAA AACCATGTCCATGGGCCGGATGCGCGGCGTGGCTGGGCCAAGCTCTACAGCTTGGTATC TGGGGGTGTACGCTGCTCCTGAGCTCACCCATGCTGGTGTCCGGACCATGAAGGAGTAC AGCGATGAGGGCCACAACGTACCCGCTTGTGCATCAGCTACCCATCCCTNCATCTGGGA AGTGTTCACCAACATGCTCCTGAATGTCGTGNGCTTCTGCTGCCCTGAGTGCATCAC CTTCTGCACGATGCANATCATGCAGGTGCTGCGGGACAACGAGATGCAGAAGTCATGAAT TCCCAGACGGAGAGGAGGCCACGTGCTAGTCCTGGTGTGCTGCTATTATCATCTGCTG TGGCTGCCCTTCCAATCAGCACCTT
Restriction Sites:	Please inquire
ACCN:	NM_000623
Insert Size:	1300 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_000623.2 , NP_000614.1
RefSeq Size:	4267 bp
RefSeq ORF:	1176 bp
Locus ID:	624
UniProt ID:	P30411
Cytogenetics:	14q32.2
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane

Protein Pathways:	Calcium signaling pathway, Complement and coagulation cascades, Neuroactive ligand-receptor interaction, Regulation of actin cytoskeleton
Gene Summary:	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. Bradykinin is released upon activation by pathophysiologic conditions such as trauma and inflammation, and binds to its kinin receptors, B1 and B2. The B2 receptor associates with G proteins that stimulate a phosphatidylinositol-calcium second messenger system. [provided by RefSeq, Apr 2020]