

## Product datasheet for **SC122572**

### **BDKRB1 (NM\_000710) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BDKRB1 (NM\_000710) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** BDKRB1  
**Synonyms:** B1BKR; B1R; BKB1R; BKR1; BRADYB1  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_000710 edited  
 CTCAGTCCGTCGGCCAGACTGAAGTGCAGTGGCACAATCATAGCTCGCTGCAGCCTCGA  
 CTTCCAGGCTTAAACGATTCTCCACCTCAGCCTCTCGAGTTGCTGGGACCACAGGTCA  
 CTGTGCATGGCATCATCCTGGCCCCCTCTAGAGCTCCAATCCTCCAACCAGAGCCAGCTC  
 TTCCTCAAATGCTACGGCCTGTGACAATGCTCCAGAAGCCTGGGACCTGCTGCACAGA  
 GTGCTGCCGACATTTATCATCTCCATCTGTTTCTTCGGCCTCCTAGGGAACCTTTTTGTC  
 CTGTTGGTCTTCTCCTGCCCGCGGCAACTGAACGTGGCAGAAATCTACCTGGCCAAC  
 CTGGCAGCCTCTGATCTGGTGTGTTGCTTGGGCTTGCCTTCTGGGCAGAGAATATCTGG  
 AACCAGTTTAACTGGCCTTTTCGGAGCCCTCCTCTGCCGTGTCATCAACGGGGTCAACA  
 GCCAATTTGTTTCATCAGCATCTTCTGGTGGTGGCCATCAGCCAGGACCCTACCGCGTG  
 CTGGTGCACCCTATGGCCAGCCGAGGCAGCAGCGGCGGAGGCAGGCCCGGGTCACTGC  
 GTGCTCATCTGGGTTGTGGGGGGCCTTTGAGCATCCCCACATTCTGCTGCGATCCATC  
 CAAGCCGTCACAGATCTGAACATCACCGCCTGCATCCTGCTCCTCCCCATGAGGCTGG  
 CACTTTGCAAGGATTGTGGAGTTAAATATTCTGGGTTTCTCCTACCACTGGCTGCGATC  
 GTCTTCTTCAACTACCACATCCTGGCCTCCCTGCGAACGCGGGAGGAGGTGAGCAGGACA  
 AGGTGCGGGGGCCGCAAGGATAGCAAGACCACAGCGTGATCCTCAGCCTCGTGGTTGCC  
 TTCCTGGTCTGCTGGGCCCTTACCACTTCTTTCGCTTCTGGAATTTCTATTCCAGGTG  
 CAAGCAGTCCGAGGCTGCTTTTGGGAGGACTTCATTGACCTGGGCTGCAATTGGCCAAC  
 TTCTTTGCCTTCACTAACAGCTCCCTGAATCCAGTAATTTATGTTCTTTGGGCGGCTC  
 TTCAGGACCAAGGTCTGGAACTTTATAAACAATGCACCCTAAAAGTCTTGCTCCAATA  
 TCTTCATCCCATAGGAAAAGAAATCTTCCAATTTTCTGGCGGAATTA AACAGCATTGAA  
 CTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_000710 unedited  
 GTCATTATTGTATACGACTCATATAGGGCGGCCGCCAGTGTGATGGAATCTGCAGAATTC  
 GCCCTTCTGTGCATGGCATCATCCTGGCCCCCTTAGAGCTCCAATCCTCCAACCAGAGC  
 CAGCTCTTCCCTCAAATGCTACGGCCTGTGACAATGCTCCAGAAGCCTGGGACCTGCTG  
 CACAGAGTGTGCCAACATTTATCATCTCCATCTGTTTCTTCGGCCTCCTAGGGAACCTT  
 TTTGTCCTGTTGGTCTTCTCCTGCCCGGCGGCAACTGAACGTGGCAGAAATCTACCTG  
 GCCAACCTGGCAGCCTCTGATCTGGTGTGTTGCTTGGGCTTGCCCTTCTGGGCAGAGAAT  
 ATCTGGAACCAAGTTAACTGGCCTTTCGAGCCCTCCTCTGCCGTGTCATCAACGGGGTC  
 ATCAAGGCCAATTTGTTTCATCAGCATCTTCTGGTGGTGGCCATCAGCCAGGACCCTAC  
 CGCGTGTGTTGCACCCTATGGCCAGCCGGAGGCAGCAGCGGCGGAGGCAGGCCCGGGTC  
 ACCTGCGTGTCTATCTGGGTTGTGGGGGCTTGTAGCATCCCCACATTCCTGTGCGA  
 TCCATCCAAGCCGTCAGATCTGAACATCACCGCCTGCATCCTGCTCCTCCCCATGAG  
 GCCTGGCACTTTGCAAGGATTGTGGAGTTAAATATTCTGGGTTTCTCCTACCACTGGCT  
 GCGATCGTCTTCAACTACCACATCCTGGCCTCCTGCGAACGCGGGAGGAGGTGAGC  
 AGGACAAGGTGCGGGGGCCGAGGATAGCAAGACACAGCGCTGATCCTCACGCTCGTGGT  
 TGCCCTTCTGGTCTGCTNGGCCNCTACCACTTCTTGCCTTCTGGAATCTTATCCCA  
 GTGCAAGCAGTCCGAGGCTGCTTTTGTGGAGACTTCATTGACCTGGCCCTGCAATG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_000710 unedited  
 AGGAAAGCACTGGGNAGGGTCACAGGGCATGCCACCCGGGTATCTGTTCCAGGAAAACAG  
 CTATGACCGCGCCGCAATCTAGAGTCGACAAGCTTGATATCGGTACCGAGCTCGGATCC  
 ACTAGTAACGGCCGCCAGTGTGCTGGAATTCGCCCTTGGTTCAATGCTGTTTTAATCCG  
 CCAGAAAAGTTGGAAGATTTCTTTCCTATGGGATGAAGATATTGGAGCAAGACTTTTAGG  
 GGTGCATTGTTTTAAAGTTCCAGACCTTGGTCTGAAGAGCCGCCCAAAGACATA  
 AATTACTGGATTCAGGGAGCTGTTAGTGAAGGCAAGAAGTTGGCCAATTCAGGCCAG  
 GTCAATGAAGTCTCCAAAAGCAGCCTCGGACTGCTTGACCTGGAATAAGAATCCAG  
 GAAGGCAAGAAGTGGTAAGGGGCCAGCAGACCAGGAAGGCAACCACGAGCGTGAGGAT  
 CAGCGCTGTGGTCTTGTATCCTTGCAGCCCCCGCACCTTGTCTGTGACCTCCTCCC  
 CGTTCGCAAGGAGGCCAGGATGTGGTAGTTGAAGAAGACGATCGCAGCCAGTGGTAGGAG  
 GAAACCCAGAATATTTAACTCCACAATCCTTGCAAAGTCCAGGCCTCATGGGGGGGAAG  
 GAGCANGGATGCAGGCGGGTGTATTTATCTGGGACGGGCTTGAATGGATCGCACAGG  
 AGGTGGNGGGATGCTCAAAAAGCCCCCACACCCCAAATAGCACGCATGTGAACCCGGG  
 CCTGCCTTCGCCGCTGCTGCCTTCGGCTGGCCATAGGGTGCACCAACACGCGGTACGGT  
 CCGGGCTGATGGCCACCACCCGAAAATGCTGGATGAACATTGGCCCTTGAAGACACCGTT  
 TATAGACCC

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_000710

**Insert Size:**

1235 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_000710.2</a> , <a href="#">NP_000701.2</a>
<b>RefSeq Size:</b>	1319 bp
<b>RefSeq ORF:</b>	1062 bp
<b>Locus ID:</b>	623
<b>UniProt ID:</b>	<a href="#">P46663</a>
<b>Cytogenetics:</b>	14q32.2
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Complement and coagulation cascades, Neuroactive ligand-receptor interaction, Regulation of actin cytoskeleton
<b>Gene Summary:</b>	Bradykinin, a 9 aa peptide, is generated in pathophysiologic conditions such as inflammation, trauma, burns, shock, and allergy. The protein encoded by this gene belongs to the G-protein coupled receptor 1 family. 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. [provided by RefSeq, Aug 2020]