

## Product datasheet for **RR216566**

### **Bdkrb2 (NM\_001270713) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Bdkrb2 (NM\_001270713) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Bdkrb2  
**Synonyms:** B2BKR; B2BRA  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216566 representing NM\_001270713  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACACAAGGTCTCCCTCTGCCGAAGACACAGGCTGTCGTGGAAGTGGCTATGTTCTGGGACCAG  
GCTGCCATCTCCACCTGCATTGAAATGTTCAACATCACCACGCAAGCCCTGGGGTCTGCTCATAACGG  
GACCTTTTCAGAGGTCAACTGCCAGACACTGAGTGGTGGAGCTGGCTCAATGCCATCCAGGCCCTTC  
CTCTGGGTCTCTTCTGCTGGCCGCACTGGAGAACATCTTTGTCTCAGCGTGTCTGCTGCACAAAA  
CCAAGTCACTGTGGCTGAGATCTACCTGGCAACCTGGCAGCCGCGGACCTCATCTGGCCTGCGGATT  
ACCTTCTGGGCCATCACCATCGCCAATAACTTCGACTGGCTGTTTCGGAGAGGTGCTGTGCCGCTGGT  
AATACCATGATCTACATGAACCTCTACAGCAGCATCTGCTTCTGATGCTTGAGTATCGACCGATACC  
TGGCGTGGTGAAGACCATGCCATGGCCGGATGCGCGGGTACGCTGGGCCAAACTGTACAGCCTGGT  
GATCTGGAGCTGTACGCTGCTTCTGAGTTCACCCATGTTGGTGTTCAGGACCATGAAGGACTACAGGGAA  
GAGGGCCACAACGTCACGGCCTGCGTCATTGTCTACCCGTCCCGTCTGGGAGGTGTTACCAACATGC  
TGCTGAACCTGGTGGTTTCTCTACCCCTGAGTATCATCACCTTCTGCACGGTGCAGTATCATGACAGT  
GCTGAGGAACAACGAGATGAAGAAGTTCAAGGAGTCCAGACGGAGAAGAAGGCCACTGTGCTGGTGTG  
GCTGTCTGGGGCTCTTTGTGCTGTGTTGGTTTCTTTCCAGATCAGCACCTTCTGGACACGCTGCTGC  
GGCTTGGCGTGTGTCGGGATGCTGGAACGAGCGTGCCGTGGATATTGTCACCCAGATCAGTTTCTACGT  
GGCCTATAGCAACAGCTGCCTCAACCCGCTGGTGTACGTGATTGTGGCAAGCGCTTCCGAAAGAAGTCC  
CGAGAGGTGTACCAGGCAATATGCCGGAAGGGAGGCTGCATGGGAGAGTCCGTCCAGATGGAGAAGTCCA  
TGGGACTCTGAGGACCTCTATCTCGGTGGACCGCAGATCCACAAGCTGCAGGATTGGCGGGGAACAA  
GCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216566 representing NM\_001270713  
 Red=Cloning site Green=Tags(s)

MDTRSSSLCPKTQAVVEVAMFWGPGCHLSTCIEMFNITTQALGSAHNGTFSEVNCPTDEWWSWLNAIQAPF  
 LWVLFLLAALENIFVLSVFLCHKTNCTVAEIYLGNLAAADLILACGLPFWAITIANNFDWLFGEVLCRVV  
 NTMIYMNLVSSICFLMLVSDRYLALVKTMSMGRMRGVRWAKLYSLVIWSCTLLLSPPMLVFRTMKDYRE  
 EGHNVTACVIVYPSRSWEVFTNMLLNLVGFLPLLSIITFCTVRIMQVLRNNEMKKFKEVQTEKKATVLLV  
 AVLGLFVLCWFFPQISTFLDTLLRLGVLSGCWNERAVDIVTQISSYVAYSNSCLNPLVYVIVGKRFRKKS  
 REVYQAI CRKGGCMGESVQMENSMGTLRTSISVDRQIHKLQDWAGNKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

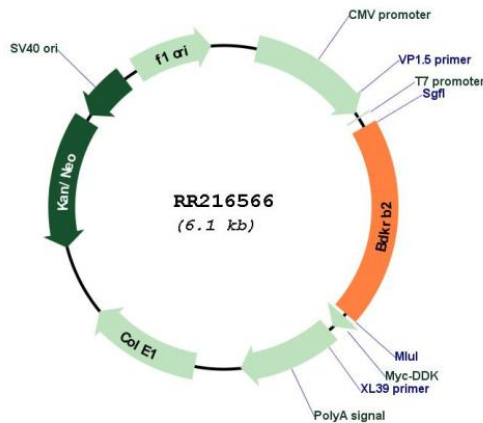
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001270713

<b>ORF Size:</b>	1194 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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_001270713.2</a>
<b>RefSeq Size:</b>	4111 bp
<b>RefSeq ORF:</b>	1197 bp
<b>Locus ID:</b>	25245
<b>Cytogenetics:</b>	6q32
<b>MW:</b>	45.2 kDa
<b>Gene Summary:</b>	binds bradykinin; mediates bradykinin induced chloride ion flux; plays a role in pain response [RGD, Feb 2006]