

Product datasheet for **RR210880**

Bdkrb2 (NM_173100) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bdkrb2 (NM_173100) 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:	>RR210880 representing NM_173100 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACGTTCCTTGAAGCGACCCGTGCTCCTGTCCGTGCATGAGCCCATGCCACCACAGCCTCTCTGG
GCATTGAAATGTTCAACATCACCACGCAAGCCCTGGGGTCTGCTCATAACGGGACCTTTTCAGAGGTCAA
CTGCCAGACACTGAGTGGTGGAGCTGGCTCAATGCCATCCAGGCCCTTCTCTGGGTCTCTCTCTG
CTGGCCGCACTGGAGAACATCTTTGTCCTCAGCGTGTCTGTCTGCACAAACCAACTGCACTGTGGCTG
AGATCTACCTGGCAACCTGGCAGCCGCGGACCTCATCCTGGCCTGCGGATTACCCTTCTGGGCCATCAC
CATCGCCAATAACTTCGACTGGCTGTTCCGAGAGGTGCTGTGCCGCTGGTGAATACCATGATCTACATG
AACCTCTACAGCAGCATCTGCTTCTGATGCTTGTGAGTATCGACCGATACCTGGCGCTGGTGAAGACCA
TGTCCATGGGCCGGATGCGCGGGTACGCTGGGCCAACTGTACAGCCTGGTGTCTGGAGCTGTACGCT
GCTTCTGAGTTCACCCATGTTGGTGTTCAGGACCATGAAGGACTACAGGGAAGAGGGCCACAACGTCAGC
GCCTGCGTCATTGTCTACCCGTCCCGCTCCTGGGAGGTGTTACCAACATGCTGCTGAACCTGGTGGGTT
TCCTCCTACCCCTGAGTATCATCACCTTCTGCACGGTGCGAATCATGCAGGTGCTGAGGAACAACGAGAT
GAAGAAGTTCAAGGAGGTCCAGACGGAGAAGAAGGCCACTGTGCTGGTGTGGCTGTCTGGGGCTCTTT
GTGCTGTGTTGGTTTCCTTTCCAGATCAGCACCTTCTGGACACGCTGCTGCGGCTTGGCGTGTGTCTCGG
GATGCTGGAACGAGCGTGCCGTGGATATTGTACCCAGATCAGTTCCTACGTGGCCTATAGCAACAGCTG
CCTCAACCCGCTGGTGTACGTGATTGTGGGCAAGCGCTTCCGAAAGAAGTCCCGAGAGGTGTACCAGGCA
ATATGCCGAAGGGAGGCTGCATGGGAGAGTCCGTCCAGATGGAGAACTCCATGGGGACTCTGAGGACCT
CTATCTCGGTGGACCGCAGATCCACAAGCTGCAGGATTGGGCGGGAACAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MHCSWKRPVLLSVHEPMPPTASLGIEMFNITTQALGSAHNGTFSEVNCPTDEWWSWLNAIQAPFLWVFL
 LAALENIFVLSVFCLHKTNCTVAE IYLG NLAADLILACGLPFWAITIANNFDWLFGEVLCRVVNTMIYM
 NLYSSICFLMLV SIDRYLALVK TMSMGRMRGVRWAKLYSLVIWSCTLLSSPMLVFRTMKDYREEGHNVT
 ACVIVYPSRSWEVFTNMLLNLVGFLPLSIIITFCTVRIMQVLRNNEMKKFKEVQTEKKATVLLVAVLGLF
 VLCWFPFQISTFLD TLLRLGVLSGCWNERAVDIVTQISSYVAYSNSCLNPLVYVIVGKRFRKKSREYVQA
 ICRKGGCMGESVQMENSMTGLRTSISVDRQIHKLQDWAGNKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

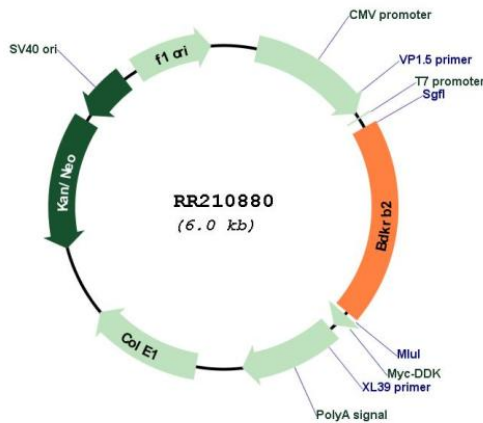
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_173100

ORF Size:	1176 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_173100.2 , NP_775123.2
RefSeq Size:	3937 bp
RefSeq ORF:	1179 bp
Locus ID:	25245
UniProt ID:	P25023
Cytogenetics:	6q32
MW:	44.6 kDa
Gene Summary:	binds bradykinin; mediates bradykinin induced chloride ion flux; plays a role in pain response [RGD, Feb 2006]