

Product datasheet for **RN200422**

Bcan (NM_001033665) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcan (NM_001033665) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bcan
Synonyms:	ALPBRE; BEHAB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200422 representing NM_001033665
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATCCCATTGCTTCTGTCCCTGCTGGCAGCTCTGGTCTGACCCAAGCCCCTGCAGCCCTCGCTGATG
 ACCTGAAAGAAGACAGCTCAGAGGATCGAGCCTTTCGGGTGCGCATCGGTGCCCGCAGCTCGGGGTGT
 GCTGGGGGTGCCCTGGCCATCCCATGCCACGTCCACCACCTGAGGCCGCGCCAGCCGCGGGCCGCG
 CCGGGCTTCCCGAGTCAAATGGACCTTCTGTCCGGGACCGGGAGGTGGAGGTGCTGGTGGCGCGG
 GGCTGCGCGTCAAGGTAACGAAGCCTATCGTTCGCGTGGCGTGCCTGCCTACCCCGCATCGCTCAC
 AGATGTGTCTTTAGTATTGAGCGAACTGCGGCCAATGATTCCGGGTCTATCGCTGCGAGGTCCAGCAC
 GGTATCGACGACAGCAGTGTGTGGAAGTCAAGTCAAAGGGTTCGCTTCTCTACCGAGAGGGCT
 CTGCCCGTATGCTTCTCTTCGCTGGAGCCAGGAAGCCTGTGCTCGCATCGGAGCCGAATTGCCAC
 CCCTGAGCAGCTGTATGTGCCTACCTCGGCGGTATGAACAGTGTGATGCTGGTGGCTGTCCGACCAA
 ACCGTGAGGTACCCCATCCAGAACCACGAGAAGCCTGTTATGGAGACATGGATGGCTACCTGGAGTGC
 GGAATTACGGAGTGGTGGTCTGATGATCTCTACGATGTCTACTGTTATGCCGAAGACCTAAATGGAGA
 ACTGTTCTAGGTGCCCCCTCCGGCAAGCTGACGTGGGAGGAGGCTCGGGACTACTGTCTGGAACCGGT
 GCTCAGATCGCTAGCACGGGCCAGCTATACGCGCATGGAATGGCGGCTTGGACAGATGTAGCCCTGGCT
 GGCTGGCTGATGGCAGTGTGCGTACCCCATCATCACGCCAGCCAACGCTGTGGGGAGGCTGCCAGG
 AGTCAAGACCCTTCTCTTCCCAACCAGACTGGCTTCCCAAGCAAGCAGAACCCTTCAATGTCTAC
 TGCTTCCGAGACTTGCCATCCCTCTGCCTTCTGAGGCCCTCAGCCAGCCTCTGATGGACTAGAGG
 CCATTGTACAGTGACAGAGAAGCTGGAGGAAGTGCAGTTGCCCTCAGAAAGCTGTGGAGAGCGAGTCCG
 TGGGGCATCTACTCCATCCCCATCACAGAAGATGGGGGAGGAGGAAGCTTACCCAGAAAGACCCAGCA
 GAGGCCCCAGGACTCCTCTAGAATCAGAAACCAATCCGTTGCCACCCTACCGGTCCTCAGAAGAGG
 AAGGCGAAGCCCTGGAGGAAGAAGAAAGATTCAAAGACACAGAGACTCCGAAGGAAGAGAAGGAGCAGGA
 GAACCTGTGGGTGTGGCCACGGAGCTCAGCAGCCCTCTCCCTACTGGCTTGGAAACAGAGCACTACTC
 TCCAGGTGTCCCACCAGCCAGGCGTCTACAGCTGGGTGCATCACCTTCTCCAGGCTCCAAGGG
 TCCATGGACCGCTGCAGAGACTTGAACCCCAAGGGAGGGAAGCCTCACATCTACTCCAGATGGGGC
 AAGAGAAGTAGCGGGGAAACTGGGAGCCCTGAGCTCTCTGGGTTCTCGAGAAAGCGAGGAGGCAGGA
 AGCTCCAGCTTGGAGGATGGCCCTTCCCTCTCCAGCGACATGGGCCCTGTGGGTACCAGGGAGCTGG
 AGACCCCTCAGAAGAGAAGTCTGGAAGAACTGTTCTGACAGGCACATCAGTGCAGGCCAGCCAGTGTCT
 GCCCACCAGAGTGCAGCCGAGGTGGAGTGGCTGTGGCTCCCTCATCAGGTGACTGTATCCCCAGCCCC
 TGCCACAATGGTGGGACATGCTTGGAGGAGAAGGAGGTTTCCGCTGCCTCTGTTTGCCAGGCTATGGGG
 GGGACCTGTGCGATGTTGGCCTCCACTTCTGCAGCCCGGCTGGGAGGCCCTCCAGGGTGCCTGCTACAA
 GCATTTTCCACACGAAGGAGTTGGGAGGAGGCAGAAAGCCAGTCCGAGCGCTAGGGGCTCATCTGACC
 AGCATCTGCACCCTGAGGAGCAGGACTTGTCAACGATCGATACAGGGAGTACCAGTGGATTGGGCTCA
 ATGACAGGACCATCGAGGGTACTTCTGTGGTCAAGTGGTGGCCCTCTGCTCTATGAAACTGGAACCC
 TGGCAGCCTGACAGTACTTCTGTCTGGGAGAACTGTGGTCAAGTGGTGGTGTGGCATGACCAGGGACAG
 TGGAGTGTGACCTGCAACTACCACCTATCCTACACCTGCAAGATGGGGCTTGTGTATGTGGACCTC
 CACCACAGCTGCCCTGGCTCAAATATTTGGTCCGCTCGGCTGCGCTACGCGGTGGACTGTGCTTCG
 ATATCGGTGCCGAGACGGGCTGGCCAGCGCAACTTCCGTTGATCCGCTGCCAGGAGAATGGGCTTGG
 GAGGCCCTCAGATTTCTGCGTCCCCGAAGACCTGCCCGTGTCTCCGCTCAATGACCGCCCCAGAAG
 GACCACGGGACAGCTCCGAGGAGGAAAGCACTGTTGACACCTCCCTCCAGTCTC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001033665

Insert Size:	2652 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:	<u>NM_001033665.1</u> , <u>NP_001028837.1</u>
RefSeq Size:	3280 bp
RefSeq ORF:	2652 bp
Locus ID:	25393
UniProt ID:	<u>P55068</u>
Cytogenetics:	2q34
Gene Summary:	brain-specific member of the aggrecan family of chondroitin sulfate proteoglycans; extracellular matrix (ECM) protein; binds hyaluronan, a ubiquitous component of the ECM [RGD, Feb 2006] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).