

## Product datasheet for **MC203629**

### **Bcan (NM\_007529) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bcan (NM_007529) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bcan
Synonyms:	Cspg7
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC052032  
 TCGGCTGCGGCTGCGGGACGTGCGGTGTGCGCGGAGGGGACCTCGCAAGTTCTTCCATCAGTGTGCAGAA  
 TGATTCCACTGCTTCTGTCCCTGCTGGCCGCTCTGGTCTGACCCAAGCCCTGCCGCCCTCGTGATGA  
 CCTGAAAGAAGACAGCTCGGAGGATCGAGCCTTCCGCGTGCATCGGTGCCACGCAGCTGCGGGGCGTG  
 CTGGGCGGTGCCCTGGCCATCCCATGCCACGTCCACCCTGCGGCCGCCGCACAGTCCCGGGCCGCGC  
 CGGGTTTTCCCGGGTCAAGTGGACCTTCTGTCCGGGACCGGGAGGTAGAGGTACTGGTGGCTCGTGG  
 GCTGCGCGTCAAGGTAACGAAGCCTACCGGTTCCGCGTGGCGCTGCCTGCCTACCCCGCATCGTCAAG  
 GATGTGTCTCTAGTATTGAGCGAACTGCGGCCAATGATTCCGGGTCTATCGTGCAGAGTCCAGCAG  
 GTATCGACGACAGCAGTATGCTGTGGAGTCAAGGTCAAAGGGTCTGTTCTCTACAGAGAGGGCTC  
 TGCGCGCTATGCTTTCTCTTTGCTGGAGCCAGGAAGCCTGCGCTCGCATAGGAGCCCGAATCGCCACC  
 CCGGAGCAGCTCTATGCTGCCTACCTCGGCGCTATGAGCAGTGTGATGCAGGCTGGCTGTCCGACAAA  
 CTGTGAGGTACCCATCCAGAACCACGAGAGGCCTGCTCTGGAGACATGGATGGCTATCTGGCGTGCG  
 GAACTACGGAGTGGTGGTCTGATGATCTCTATGATGTCTACTGTTATGCCGAAGACCTAAATGGAGAA  
 CTGTTCTAGGCCCCCTCCAGCAAGTGACATGGGAGGAGGCTCGGGACTACTGTCTGGAACGTGGTG  
 CACAGATCGTAGCACAGCCAGCTGTACGCAGCCTGGAATGGTGGCCTGGACAGATGTAGCCCTGGCTG  
 GCTGGCTGATGGCAGCGTGCCTATCCCATCATCACACCAGCCAACGCTGTGGGGGCGGCTGCCAGGA  
 GTCAAGACCCTTCTCTTTCCCAACCAGACTGGCTTCCCAGCAAGCAGAACCCTTCAATGTCTACT  
 GCTTCCGAGACTTGCCCATCCCTCTGCTTCTGAGGCCTTAGCCAGCCTCAGATGGACTTGAAGC  
 CATTGTACAGTGACAGAAAAGCTGGAGGAACTGCAGCTGCCTCAGGAAGCGATGGAGAGCGAGTCTCGT  
 GGGGCCATCTACTCCATCCCATCTCAGAAGATGGGGGAGGAGGAAGCTCCACCCAGAAGACCCAGCAG  
 AGGCCCCAGGACTCCGCTAGAATCGGAAACCAATCCATTGCACCACCTACCGAGTCTCAGAAGAGGA  
 AGCGTAGCCCTGGAGGAAGAAGAAGATTCAAAGACTTGGAGGCTCTGGAGGAAGAGAAGGAGCAGGAG  
 GACCTGTGGGTGGGCCAGAGAGCTCAGCAGCCCTCTCCCTACTGGCTCAGAAACAGAGCATTACTCT  
 CCCAGGTGTCCCACAGCCAGGCAGTTCTACAGCTGGGTGCCTCACCTTCTCTGGGCCCAAGGGT  
 CCGTGGACCCTGCAGAGACTTGTCTCCCCGAGGGAGGGAAGCCCCACATCTACTCCTGGTGGGCA  
 AGAGAAGTAGGGGGGAAACTGGAGCCCTGAGCTCTCTGGGTTCTCGAGAGAGCGAGGAGGCAGGGA  
 GCTCCAGCTTGGAGGATGGCCCTCCCTACTTCCAGCTACATGGGCCCTGTGGTCCCAGGGAGCTGGA  
 GACCCCTCAGAAGAGAAGTCTGGAAGAAGTGTCTGGCAGGCACCTCAGTGCAGGCCAGCCAGTGTG  
 CCCACCGACAGTGCCAGCCAGGTGGAGTGGCTGTGGCTCCCTCATCAGGTGACTGTATCCCCAGCCCT  
 GCCACAATGGTGGACATGCTTGGAGGAGAAGGAGGGTTCCGCTGCCTATGTTTCCAGGCTATGGGG  
 GGACCTGTGCGATGTTGGCCTTCAATTTCTCAGCCCTGGCTGGGAGGCCCTCCAGGGAGCCTGCTACAAG  
 CACTTTTCCACACGAAGGAGTTGGGAGGAGGCAGAAAGTCAAGTCCGAGCGCTAGGTGCTCATCTGACCA  
 GCATCTGCACCCCTGAGGAGCAAGACTTGTCAACGATCGATACCGGGAGTACCAGTGGATTGGGCTCAA  
 TGACAGGACCATCGAGGGTGAAGTCTTGTGGTCAAGTGGTGCCTCTGCTCTATGAAAAGTGAACCCCT  
 GGGCAGCTGACAGCTACTTCTGTCTGGGGGAACTGTGTGGTCAAGTGGTGTGGCATGACCAGGGACAGT  
 GGAGTGTGTGCCCTGCAACTACCATCTATCCTACACCTGCAAGATGGGGCTTGTGCTGTGGGCTCC  
 ACCACAGTACCCTGGCTCAAATATTTGGTCCGCTCGGCTGCCTACGCGGTGGATACTGTGCTTCGA  
 TATCGATGCCGAGACGGGCTGGCTCAGCGCAACCTGCCGTTGATCCGCTGCCAGGAGAATGGGCTTTGG  
 AGGCCCTCAGATTTCTGTGTACCCCGAGGCCTGGCCGTGCTCTGCGCTCCATGGACGCCCCAGAAGG  
 ACCACGGGACAGCTCTCGAGGCACAGGAAGGCACCGTTGACACCGCCCTCCAGTCTTAGGGAGCCTGG  
 AAGACTGTGCCCCAGCAGGACCTCTCACATCAACTGCCAGTGTCTTCCCCATGATAGGGGGTGAAG  
 TGAGAGGGGTGGGACTGAAATTCAGAGGACAGCGCTCGAAGGGGTTTCTGGGAAACACTTGGGTGGCTCC  
 GCCCCCTCACACAAGGGCCTCAGGTTTTACCCGGTAAGTCCCTAAGTGCCTCAACTGCCCTCTCATGTCA  
 GCTGCCTCCTTGTCCCTCGATTTCTGTTAGGGGACACTGTGCTATTCGTTCTTGATTTTCAAAGATTTT  
 AGGATGGAGTACCAGCAAAACCAGGTGAAATAAAGTTGTCTGAACCCAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** AscI-NotI  
**ACCN:** NM\_007529  
**Insert Size:** 2652 bp

<b>OTI Disclaimer:</b>	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).
<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="#">BC052032</a> , <a href="#">AAH52032</a>
<b>RefSeq Size:</b>	3076 bp
<b>RefSeq ORF:</b>	2652 bp
<b>Locus ID:</b>	12032
<b>UniProt ID:</b>	<a href="#">Q61361</a>
<b>Cytogenetics:</b>	3 38.78 cM
<b>Gene Summary:</b>	<p>May play a role in the terminally differentiating and the adult nervous system during postnatal development. Could stabilize interactions between hyaluronan (HA) and brain proteoglycans.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).</p>