

Product datasheet for **SC112892**

Brevican (BCAN) (NM_021948) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brevican (BCAN) (NM_021948) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCAN
Synonyms:	BEHAB; CSPG7
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_021948, the custom clone sequence may differ by one or more nucleotides

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ATGGCCAGCTGTTCTGCCCTGCTGGCAGCCCTGGTCTGGCCAGGCTCCTGCAGCTTTAGCAGATG
TTCTGGAAGGAGACAGCTCAGAGGACCGCGCTTTTCGCGTGCGCATCGCGGGCGACGCGCCACTGCAGGG
CGTGCTCGGCGGGCCCTCACCATCCCTTGCCACGTCCACTACCTGCGGCCACCGCCGAGCCCGGGGT
GTGCTGGGCTCTCCGCGGTCAAGTGGACTTTCCTGTCCCGGGCCGGGAGGCAGAGGTGCTGGTGCGC
GGGAGTGCGCGTCAAGGTGAACGAGGCCCTACCGTTCCGCGTGGAAGTGCCTGCGTACCCAGCGTCGCT
CACCGACGTCTCCCTGGCGCTGAGCGAGCTGCGCCCAACGACTCAGGTATCTATCGCTGTGAGGTCCAG
CACGGCATCGATGACAGCAGCGACGCTGTGGAGGTCAAGGTCAAAGGGTCTGTTTCTCTACCGAGAGG
GCTCTGCCGCTATGCTTTCTCTTTTCTGGGGCCAGGAGGCCGTGCCCGCATTGGAGCCACATCGC
CACCCCGAGCAGCTCTATGCCGCTACCTTGGGGCTATGAGCAATGTGATGCTGGTGGCTGTCCGAT
CAGACCGTGAGGTATCCCATCCAGACCCACGAGAGGCCGTGTACGGAGACATGGATGGCTTCCCCGGG
TCCGGAATATGGTGTGGTGGACCCGGATGACCTCTATGATGTGTACTGTTATGCTGAAGACCTAAATGG
AGAAGTGTCTGGGTGACCCCTCCAGAGAAGCTGACATTGGAGGAAGCAGGGCGTACTGCCAGGAGCGG
GGTGCAGAGATTGCCACCAGGGCCAAGTGTATGCAGCCTGGGATGGTGGCTGGACCACTGCAGCCAG
GGTGGCTAGCTGATGGCAGTGTGCGCTACCCCATCGTCACACCCAGCCAGCGCTGTGGTGGGGGCTTGC
TGGTGTCAAGACTCTCTTCTCTTCCCCAACAGACTGGCTTCCCAATAAGCACAGCCGCTTCAACGTC
TACTGTTCCGAGACTCGGCCAGCCTTCTGCCATCCCTGAGGCCCAACCCAGCCTCCAACCCAGCCT
CTGATGGACTAGAGGCTATCGTCACAGTGACAGAGACCTGGAGGAAGTGCAGCTGCCTCAGGAAGCCAC
AGAGAGTGAATCCCGTGGGGCCATCTACTCCATCCCCATCATGGAGGACGGAGGAGGTGGAAGCTCCACT
CCAGAAGAACCCAGCAGAGGCCCTAGGACGCTCTAGAATTTGAAACACAATCCATGGTACCAGCCAGCG
GGTCTCAGAAGAGGAAGGTAAAGCATTGGAGGAAGAAGAGAAATGAAGATGAAGAAGAGAAAGAGGA
GGAAGAAGAAGAGGAGGAGGTGGAGGATGAGGCTCTGTGGCATGGCCAGCGAGCTCAGCAGCCGGGC
CCTGAGGCCTCTCTCCCACTGAGCCAGCAGCCAGGAGGAGTCACTCTCCAGGCAGCCAGCAAGGGCAG
TCCTGCAGCCTGGTGCATCACCCTTCTGATGGAGAGTCAGAAGCTTCCAGGCCTCAAGGGTCCATGG
ACCACCTACTGAGACTCTGCCACTCCCAGGGAGAGGAACCTAGCATCCCCATCACCTTCCACTCTGGT
GAGGCAAGAGAGGTGGGGAGGCAACTGGTGGTCTGAGCTATCTGGGTCCCTCGAGGAGAGAGCGAGG
AGACAGGAAGCTCCGAGGTGCCCTTCCCTGCTTCCAGCCACACGGGCCCTGAGGTACCAGGGAGCT
GGAGGCCCTCTGAAGATAATTCTGGAAGAACTGCCCCAGCAGGGACCTCAGTGCAGGCCAGCCAGTG
CTGCCACTGACAGCGCCAGCCGAGGTGGAGTGGCCGTGGTCCCCGCATCAGGTGACTGTGTCCCCAGCC
CCTGCCAATGGTGGGACATGCTTGGAGGAGGAGGAAGGGTCCGCTGCCTATGTCTGCCTGGCTATGG
GGGGACCTGTGCGATGTTGGCCTCCGCTTCTGCAACCCCGGTGGGACGCTTCCAGGGCGCCTGCTAC
AAGCACTTTTCCACACGAAGGAGCTGGGAGGAGGCAGAGACCCAGTGCCGGATGTACGGCGCGCATCTGG
CCAGCATCAGCACACCCGAGGAACAGGACTTCAACAACCCGGTACCGGAGTACCAGTGGATCGGACT
CAACGACAGGACCATCGAAGCGGACTTCTGTGGTCCGATGGCGTCCCCCTGCTCTATGAGAAGTGAAC
AATGGAGTGACGTGCCCTGCAACTACCACCTGTCTACACCTGCAAGATGGGGCTGGTGTCTGTGGGC
GCCACCGAGCTGCCCTGGCTCAAGTGTTCGGCCGCCACGGCTGCGCTATGAGGTGGACTGTGCTT
CGCTACCGGTGCCGGAAGGACTGGCCAGCGAATCTGCCGCTGATCCGATGCCAAGAGAACGGTCCGTT
GGGAGGCCCCAGATCTCTGTGTGCCAGAAGACCTGCCGAGCTCTGCACCCAGAGGAGGCCAGAG
AGGACGTGAGGGGAGGCTACTGGGACGCTGGAAGGCGCTGTTGATCCCCCTTCCAGCCCATGCCAGGT
CCCTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_021948 unedited CCCC GCCCGTTGNCGCATAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGA GCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGAAT TCGGCACGAGGGCAGCATGGCCAGCTGTTCTGCCCTGCTGGCAGCCCTGGTCTGGC CCAGGCTCCTGCAGCTTTAGCAGATGTTCTGGAAGGAGACAGCTCAGAGGACCGCGCTTT TCGCGTGCGCATCGCGGGCAGCGGCCACTGCAGGGCGTGTCTGGCGGCCCTCACCAT CCCTTGCCACGTCCACTACCTGCGGCCACCGCCGAGCCGCGGGCTGTGCTGGGCTCTCC GCGGGTCAAGTGGACTTTCCTGTCCCGGGCCGGGAGGCAGAGGTGCTGGTGGCGCGGGG AGTGCGCGTCAAGGTGAACGAGGCTACCGGTTCCGCGTGGCACTGCCTGCGTACCCAGC GTCGCTACCCGACGTCTCCCTGGCGCTGAGCGAGCTGCGCCCAACGACTCAGGTATCTA TCGCTGTGAGGTCCAGCACGGCATCGATGACAGCAGCGACGCTGTGGAGGTCAAGGTCAA AGGGTCTGCTTTCTCTACCGAGAGGGCTCTGCCCGCTATGCTTTCTCTTTTCTGGGGC CCAGGAGGCTGTGCCGCATTGGAGCCACATCGCCACCCGGAGCAGCTCTATGCCGC CTACCTTGGGGCTATGAGCAATGTGATGCTGGTGGCTGTCTGGATCAGACCGTGAGGTA TCCCATCCAGACCCACGAGAGGCTGTTACGGAGACATGGATGGCTTCCCGGNGTCCG GACTATGGTGTGGTGGACCCGGAGACCTCTATGATGTGTACTGTTATGCTGAAGACCTAA TGGAGAAGTGTCTGGGTGACCTCCAGAGAGCTGACATTGNAGAAGCCNGGCGTACTGN CAGAGCGGGTGCANAGATTGCACACGGCCACTGT
Restriction Sites:	ECORI-NOT
ACCN:	NM_021948
Insert Size:	3500 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_021948.3 , NP_068767.3

RefSeq Size:	3488 bp
RefSeq ORF:	2736 bp
Locus ID:	63827
UniProt ID:	<u>Q96GW7</u>
Cytogenetics:	1q23.1
Domains:	CCP, Xlink, CLECT, ig, IGv, IG, EGF, EGF
Protein Families:	Secreted Protein
Gene Summary:	<p>This gene encodes a member of the lectican family of chondroitin sulfate proteoglycans that is specifically expressed in the central nervous system. This protein is developmentally regulated and may function in the formation of the brain extracellular matrix. This protein is highly expressed in gliomas and may promote the growth and cell motility of brain tumor cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>