

Product datasheet for **SC324175**

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:	Brevican
Synonyms:	BEHAB; CSPG7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_021948.3
 GCCCCAGCCTCTCCTCACGCTCGCGCAGTCTCCGCCGAGTCTCAGCTGCAGCTGCAGGA
 CTGAGCCGTGCACCCGGAGGAGACCCCGGAGGAGGCGACAAACTTCGAGTGCCCGCAG
 CCAACCCAGCCCTGGGTAGCCTGCAGCATGGCCAGCTGTTCTGCCCTGCTGGCAGC
 CCTGGTCTGGCCAGGCTCCTGCAGCTTTAGCAGATGTTCTGGAAGGAGACAGCTCAGA
 GGACCGCCTTTTCGCGTGCATCGCGGGCGACGCGCCACTGCAGGGCGTGCTCGGCGG
 CGCCCTACCATCCCTTGCCACGTCCACTACCTGCGGCCACCGCCGAGCCCGGGCTGT
 GCTGGGCTCTCCGCGGTCAAGTGGACTTTCCTGTCCCGGGCCGGGAGGAGGAGGCTGT
 GGTGGCGGGGAGTGCAGTCAAGGTGAACGAGGCTACCGGTTCCGCGTGGCACTGCC
 TGCGTACCCAGCGTGCCTACCGACGTCTCCCTGGCGTGAGCGAGCTGCGCCCCAACGA
 CTCAGGTATCTATCGCTGTGAGGTCCAGCACGGCATCGATGACAGCAGCGACGCTGTGA
 GGTCAAGGTCAAAGGGTTCGTTCTCTACCGAGAGGGCTTGCCCGCTATGCTTTCTC
 CTTTTCTGGGACCCAGGAGGCTGTGCCCGATTGGAGCCACATCGCCACCCCGGAGCA
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GGAGGAGGTGGAGGATGAGGCTCTGTGGGCATGGCCCAGCGAGCTCAGCAGCCCCGGGCC
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AATCAACAGGAAATAAACTGTGTATGAGCCCAGGCAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAA
    
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- Restriction Sites:** ECoRI-NOT
- ACCN:** NM_021948
- Insert Size:** 2736 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:

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: [Q96GW7](#)

Cytogenetics: 1q23.1

Domains: CCP, Xlink, CLECT, ig, IGv, IG, EGF, EGF

Protein Families: Secreted Protein

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).