

Recombinant Human BCAN, His-tagged

Cat. No. BCAN-40H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Brevican Core Protein/BCAN is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Pro911) of Human BCAN fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-911 a.a.
Description	Brevican Core Protein (BCAN) is a secreted protein that belongs to the aggrecan/versican proteoglycan family. BCAN contains one C-type lectin domain, one EGF-like domain, one Ig-like V-type domain, one Sushi (CCP/SCR) domain and two Link domains. BCAN may play a role in the terminally differentiating and the adult nervous system during postnatal development. BCAN could stabilize interactions between hyaluronan (HA) and brain proteoglycans.
AA Sequence	DVLEGDSSSEDRAFRVRIAGDAPLQGVLGALTIPCHVHYLRPPPSRRAVLGSPRVK WTFLSRGRE AEVLVARGVRVKVNEAYRFRVALPAYPASLTDVSLALSELRPNDSGI YRCEVQHGIDDSSDAVEV KVKGVVFLYREGSARYAFSFGAQEACARIGAHIAATPE QLYAAYLGGYEQCDAGWLSAQTVRYPI QTPREACYGDMGDFPGVRNYGVVDPDD LYDVYCYAEDLNGELFLGDPPEKLTLEEARAYCQERGA EIATTGQLYAAWDGGLDH CSPGWLADGVSRYPIVTPSQRCGGGLPGVKTLFLFPNQTGFNPKHSR FNVYCFRD SAQPSAIPASNPASNPASDGLEAIVTVTETLEELQLPQEATESESRGAIYSIPIME D

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GGGGSSTPEDPAEAPRTLLEFETQSMVPPTGFSEEEGKALEEEEEKYEDEEEKEEEE
 EEEVEDE ALWAWPSELSSPGPEASLPTEPAAQEKSLSQAPARAVLQPGASPLPD
 GESEASRPPRVHGPPTET LPTPRERNLASPSSTLVEAREVGEATGGPELSGVPR
 GESEETGSSEGAPSLPATRAPEGTREL EAPSEDNSGRTAPAGTSVQAQPVLPD
 SASRGGVAVVPASGDCVPSPCHNGGTCLEEEEGVRCLC LPGYGGDLCDVGLRFC
 NPGWDAFQGACYKHFSTRRSWEEAETQCRMYGAHLASISTPEEQDFINN RYREYQ
 WIGLNDRTIEGDFLWSDGVPLLYENWNPGQPDSYFLSGENCVMVWHDQGQWSD
 VPCNY HLSYTCKMGLVSCGPPPELPLAQVFGRPRLRYEVDTVLRYRCREGLAQRN
 LPLIRCQENGRWEAP QISCVPRRPARALHPEEDPEGRQGRLGRWKALLIPPSSPM
 PGPHHHHHH

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

Gene Name [BCAN brevican \[Homo sapiens \]](#)

Official Symbol BCAN

Synonyms BCAN; brevican; brevican core protein; BEHAB; brevican proteoglycan; chondroitin sulfate proteoglycan 7; CSPG7; MGC13038; chondroitin sulfate proteoglycan BEHAB; brain-enriched hyaluronan-binding protein;

Gene ID [63827](#)

mRNA Refseq [NM_021948](#)

Protein Refseq [NP_068767](#)

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UniProt ID	Q96GW7
Chromosome Location	1q31
Function	binding; hyaluronic acid binding; sugar binding;

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