

Product Data Sheet

Recombinant Human BCAN Protein

Catalog #	Source	Reactivity	Applications
CRP1104	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human BCAN Protein is produced by our mammalian expression system and the target gene encoding Asp23-Pro911 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	BCAN		
Alternative Names	BEHAB; CSPG7; Brevican core protein; Brain-enriched hyaluronan-binding protein; BEHAB; Chondroitin sulfate proteoglycan 7		
Entrez Gene	63827 (Human)		
SwissProt	Q96GW7 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	DVLEGDSSSED RAFRVRIAGD APLQGVVLGGA LTIPCHVHYL RPPPSRRAVL GSPRVKWTFL SRGREAEVLV ARGVRVKVNE AYRFRVALPA YPASLTDVSL ALSELRPNDG GIYRCEVQHG IDDSSDAVEV KVKGVVFLYR EGSARYAFSF SGAQEACARI GAHIATPEQL YAAYLGGYEQ CDAGWLSDDT VRYPIQTPRE ACYGDMDGFP GVRNYGVVDP DDLYDVVYCA EDLNGELFLG DPPEKLTLEE ARAYCQERGA EIATTGQLYA AWDGGLDHCS PGWLADGSVR YPIVTPSQRC GGGLPGVKTL FLFPNQTGFP NKHSRFRVYC FRDSAQPSAI PEASNPASNP ASDGLEAIVT VTETLEELQL PQEATESESR GAIYSIPIME DGGGGSSTPE DPAAEPRTLL EFETQSMVPP TGFSEEEGKA LEEEEKYEDE EEKEEEEEEE EVEDEALWAW PSELSSPGPE ASLPTEPAAQ EKSLSQAPAR AVLQPGASPL PDGESEASRP PRVHGPPPTET LPTPRERNLA SPSPSTLVEA REVGEATGGP ELSGVPRGES EETGSSEGAP SLLPATRAPE GTRELEAPSE DNSGRTAPAG TSVQAQPVLP TDSASRGGVA VVPASGDCVP SPCHNGGTCL EEEEGVRCLC LPGYGGDLCD		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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VGLRFCNPGW DAFQGACYKH FSTRRSWEEA ETQCRMYGAH LASISTPEEQ DFINNRYREY
QWIGLNDRTI EGDFLWSDGV PLYENWNPG QPDSYFLSGE NCVVMVWHDQ
GQWSDVPCNY HLSYTCKMGL VSCGPPPELP LAQVFGRPRL RYEVDTVLRV RCREGLAQRN
LPLIRCQENG RWEAPQISCV PRRPARALHP EEDPEGRQGR LLGRWKALLI PPSSPMPGPH
HHHHH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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