

## Recombinant Feline Brevican Core Protein (BCAN)

Cat. No.: AP2C165

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

### Product Overview

BioVenic's Recombinant Feline Brevican Core Protein (BCAN) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 45.0 kDa. The purity is >85% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Feline
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	45.0 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 6% Trehalose.

### Target Information

In felines, Brevican Core Protein (BCAN) is a proteoglycan highly expressed in the central nervous system, involved in forming the brain extracellular matrix and regulating synaptic plasticity. BCAN plays a role in neuronal development, particularly in differentiation and maturation. It stabilizes molecular networks on neuronal surfaces by binding to hyaluronan (HA) and is involved in synaptic plasticity, post-injury repair, and neurodegenerative diseases like Alzheimer's. Additionally, BCAN is highly expressed in gliomas, where it may promote tumor cell adhesion and migration.

Protein	Feline Brevican Core Protein (BCAN)
Protein Synonym	Brain-enriched hyaluronan-binding protein (BEHAB); BCAN
Gene ID	<a href="#">727695</a>
UniProt ID	<a href="#">P41725</a>

### Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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### **User Note**

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.