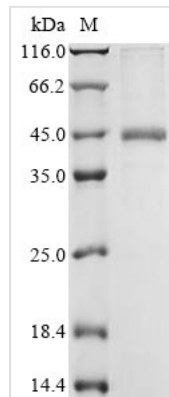




Recombinant Rat Brevican core protein (Bcan), partial

Product Code	CSB-MP002590RA
Abbreviation	Recombinant Rat Bcan protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P55068
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	DVGLHFCSPGWEPFQGACYKHFSTRRSWEEAESQCRLGAHLTSICTPEEQ DFVNDRYREYQWIGLNDRTIEGDFLWSDGPPLLYENWNPGQPDSYFLSGENC VVMVWHDQGQWSDVPCNYHLSYTCKM
Research Area	cell-matrix adhesion
Source	Mammalian cell
Target Names	Bcan
Expression Region	658-786aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal hFc1-tagged
Mol. Weight	44 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Our Recombinant Rat Brevican core protein is a valuable tool for your cell-matrix adhesion studies. The protein, originating from the 'Bcan' gene of Rat species, is known as a member of the lectican family of chondroitin sulfate proteoglycans, playing an important role in central nervous system development and synaptic plasticity. It has been carefully replicated from mammalian cells, capturing a partial sequence from the 658th to the 786th amino acid of the native protein.

Our Brevican core protein is uniquely designed with a C-terminal hFc-tag, facilitating ease in purification and detection processes. A purity of greater than 85% as validated by SDS-PAGE, underlines the superior quality we strive to maintain. The Recombinant Rat Brevican core protein is conveniently offered in two formats - liquid or lyophilized powder, allowing flexibility in your research design.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.