

Product datasheet

Native Cow Proteoglycans from joint cartilage extract protein ab134544

Description

Product name	Native Cow Proteoglycans from joint cartilage extract protein
Expression system	Native
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Cow
Additional sequence information	Source = Bovine articulate cartilage

Specifications

Our **Abpromise guarantee** covers the use of **ab134544** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies
Form	Lyophilized
Additional notes	ab134544 contains large proteoglycans consisting of core proteins with attached glycosaminoglycans. Major components of the mixture are aggrecan and versican, which are hyaluronic acid-binding proteoglycans. Both contain hyaluronic acid binding regions, Ig-like domains, EGF-like domains and lectin-like domains. As macromolecular polyanions they expand and hydrate the ECM in cartilage, intervertebral discs, dermis, blood vessel walls and brain tissue. Aggrecan and versican are degraded by proteases of the ADAMTS family. Aggrecan is cleaved by ADAMTS 1, 4, 5, 8, 9 and 15. Versican is hydrolyzed by ADAMTS 1, 4 and 9.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C.
Reconstitution	Solubilize 150 mM Potassium Acetate pH 6.3 or PBS with at least 150 mM NaCl. The solution must stay till solubilization that can take 1-3 days, by 4-5°C to avoid bacterial contamination. We recommend to vortex the mixture from time to time during the day. The final conc of the solution should not exceed 1 mg/mL.

General Info

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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