

## Recombinant Rat Acan, His-tagged

**Cat. No.** Acan-3239R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Aggrecan core protein (Acan), partial                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.Coli/Yeast                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 2162                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | an extracellular matrix proteoglycan; cleaved by ADAMTS1 .                                                                                                                                                                                                                                                    |
| <b>Form</b>             | This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.                                                                                                                                                                              |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                          |
| <b>Notes</b>            | Small volumes of Acan recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice. |
| <b>Storage</b>          | Store at -20 degree C. For extended storage, store at -20 or -80 degree C.                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>   | PBS pH 7.4, 50% glycerol                                                                                                                                                                                                                                                                                      |
| <b>Warning</b>          | This product is for research use only. Not for use in diagnostic or therapeutic                                                                                                                                                                                                                               |

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procedures.

## GENE INFORMATION

|                 |                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | <a href="#">Acan aggrecan [ Rattus norvegicus ]</a>                                                                                                                |
| Official Symbol | Acan                                                                                                                                                               |
| Synonyms        | ACAN; aggrecan; aggrecan core protein; CSPCP; aggrecan 1; cartilage-specific proteoglycan core protein; aggrecan, structural proteoglycan of cartilage; Agc; Agc1; |
| Gene ID         | <a href="#">58968</a>                                                                                                                                              |
| mRNA Refseq     | <a href="#">NM_022190</a>                                                                                                                                          |
| Protein Refseq  | <a href="#">NP_071526</a>                                                                                                                                          |
| Pathway         | Endochondral Ossification, organism-specific biosystem;                                                                                                            |
| Function        | binding; calcium ion binding; extracellular matrix structural constituent; hyaluronic acid binding; sugar binding;                                                 |

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