

## Recombinant Rat Vcan Protein, His-tagged

**Cat. No.** Vcan-553R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Vcan Protein (Leu21-Asn330) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Leu21-Asn330
<b>Description</b>	Predicted to enable protein phosphatase binding activity. Involved in axon regeneration. Located in cell surface and perineuronal net. Is active in synapse. Biomarker of myocardial infarction. Human ortholog(s) of this gene implicated in intracranial aneurysm. Orthologous to human VCAN (versican).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 38.1 kDa Accurate Molecular Mass: 42 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

Vcan versican [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Vcan

**Synonyms**

VCAN; versican; versican core protein; GHAP; PG-M; large fibroblast proteoglycan; glial hyaluronate-binding protein; chondroitin sulfate proteoglycan 2 (versican); chondroitin sulfate proteoglycan core protein 2; Cspg2

**Gene ID**

114122

**mRNA Refseq**

NM\_001170558

**Protein Refseq**

NP\_001164029

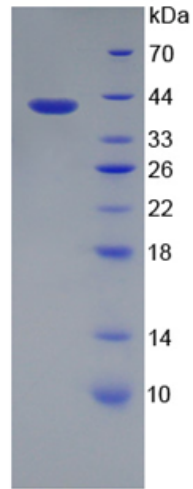
**UniProt ID**

Q9ERB4

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