

## Recombinant Rat Adamts5 protein, His & T7-tagged

**Cat. No.** Adamts5-1756R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Adamts5 aa. (Arg267~Asn622 (Accession # Q6TY19)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                          |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Arg267~Asn622                                                                                                                                                                                                                                               |
| <b>Description</b>      | Human homolog catalyzes the degradation of aggrecan, a component of cartilage extracellular matrix.                                                                                                                                                         |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 42.9kDa                                                                                                                                                                                                                           |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                               |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                    |
| <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°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less |

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than 5% within the expiration date under appropriate storage condition.

**Storage**

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

**Storage buffer**

Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

**Isoelectric Point**

7.3

## GENE INFORMATION

**Gene Name**

Adamts5 ADAM metalloproteinase with thrombospondin type 1 motif, 5 [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Adamts5

**Synonyms**

Adamts5; ADAM metalloproteinase with thrombospondin type 1 motif, 5; A disintegrin and metalloproteinase with thrombospondin motifs 5; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)

**Gene ID**

304135

**mRNA Refseq**

NM\_198761.1

**Protein Refseq**

NP\_942056.1

**UniProt ID**

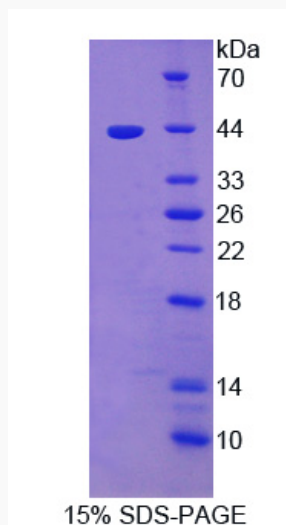
Q6TY19

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SDS-PAGE



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