

Recombinant Rat Adamts5 protein, His & T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Adamts5 aa. (Arg267~Asn622 (Accession # Q6TY19)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Arg267~Asn622
Description	Human homolog catalyzes the degradation of aggrecan, a component of cartilage extracellular matrix.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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

 Tel: 1-631-559-9269 1-516-512-3133

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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

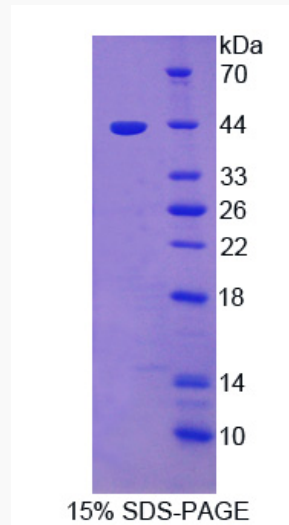
[Q6TY19](#)

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SDS-PAGE



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