

Recombinant Rat Adamts4 Protein, His-tagged

Cat. No. Adamts4-75R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Adamts4 Protein (Met13-Gly289) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met13-Gly289
Description	Predicted to enable metalloendopeptidase activity and protease binding activity. Involved in tooth eruption. Predicted to be located in extracellular space and nuclear speck. Predicted to be active in extracellular matrix. Biomarker of degenerative disc disease and transient cerebral ischemia. Orthologous to human ADAMTS4 (ADAM metallopeptidase with thrombospondin type 1 motif 4).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.6 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 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

Adamts4 ADAM metalloproteinase with thrombospondin type 1 motif, 4 [*Rattus norvegicus* (Norway rat)]

Official Symbol

Adamts4

Synonyms

ADAMTS4; ADAM metalloproteinase with thrombospondin type 1 motif, 4; A disintegrin and metalloproteinase with thrombospondin motifs 4; ADAM-TS4; ADAMTS-4; ADAM-TS 4; Aggrecanase; aggrecanase-1; a disintegrin and metalloproteinase with thrombospondin motifs 4; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 4

Gene ID

66015

mRNA Refseq

NM_023959

Protein Refseq

NP_076449

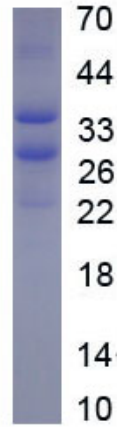
UniProt ID

D4A0C5

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