

## Recombinant Rat Adamts7 protein, His-tagged

Cat. No. Adamts7-509R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Adamts7(aa 444-575) fused with His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	444-575 a.a.
<b>Description</b>	ADAMTS7 is a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) family. Members of this family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The protein encoded by this gene contains two C-terminal TS motifs.
<b>Form</b>	Lyophilized from PBS, pH 7.4, 5% trehalose, 0.01% sarcosyl
<b>Molecular Mass</b>	16.0 kDa
<b>Purity</b>	Greater than 95%
<b>Storage</b>	Store at +4 centigrade for up to 1 month, or aliquot and store at -80 centigrade for up to 12 months. Avoid repeat freeze-thaw cycles.

### GENE INFORMATION

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<b>Gene Name</b>	Adamts7 ADAM metallopeptidase with thrombospondin type 1 motif, 7 [ Rattus norvegicus ]
<b>Official Symbol</b>	Adamts7
<b>Synonyms</b>	ADAMTS7; ADAM metallopeptidase with thrombospondin type 1 motif, 7; A disintegrin and metalloproteinase with thrombospondin motifs 7; ADAM-TS7; ADAMTS-7; ADAM-TS 7; a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 7; COMPase; ADAMTS7B;
<b>Gene ID</b>	315879
<b>mRNA Refseq</b>	NM_001047101
<b>Protein Refseq</b>	NP_001040566
<b>MIM</b>	
<b>UniProt ID</b>	Q1EHB3
<b>Chromosome Location</b>	8q31
<b>Function</b>	metal ion binding; metalloendopeptidase activity; metallopeptidase activity; peptidase activity; zinc ion binding;

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