

Recombinant Human ADAMTS7 protein, His-tagged

Cat. No. ADAMTS7-18H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAMTS7(Val1589~Arg1686) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val1589~Arg1686
Description	The protein encoded by this gene 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 encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme contains two C-terminal TS motifs and may regulate vascular smooth muscle cell (VSMC) migration. Mutations in this gene may be associated with susceptibility to coronary artery disease
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	12.6kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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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 centigrade for 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.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	ADAMTS7 ADAM metalloproteinase with thrombospondin type 1 motif, 7 [Homo sapiens]
Official Symbol	ADAMTS7
Synonyms	ADAMTS7; ADAM metalloproteinase with thrombospondin type 1 motif, 7; a disintegrin like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 7; A disintegrin and metalloproteinase with thrombospondin motifs 7; a disintegrin and metalloproteinase with thrombospondin motifs 7 preproprotein; ADAM TS7; COMPase; DKFZp434H204; a disintegrin and metalloproteinase with thrombospondin motifs-7 preproprotein; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 7; ADAM-TS7; ADAMTS-7; ADAM-TS 7;
Gene ID	11173

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mRNA Refseq	NM_014272
Protein Refseq	NP_055087
MIM	605009
UniProt ID	Q9UKP4
Chromosome Location	15pter-qter
Function	metal ion binding; metalloendopeptidase activity; metallopeptidase activity; peptidase activity; zinc ion binding;

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