

Recombinant Human ADAMTS3, His-tagged

Cat. No. ADAMTS3-9389H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAMTS3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-160a.a.
Description	This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the 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 is the major procollagen II N-propeptidase. A deficiency of this protein may be responsible for dermatosparaxis, a genetic defect of connective tissues.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	ADAMTS3 ADAM metallopeptidase with thrombospondin type 1 motif, 3 [Homo sapiens]
Official Symbol	ADAMTS3
Synonyms	ADAMTS3; ADAM metallopeptidase with thrombospondin type 1 motif, 3; a disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3; A disintegrin and metalloproteinase with thrombospondin motifs 3; ADAMTS 4; KIAA0366; ADAM-TS3; ADAMTS-3; PC II-NP; ADAM-TS 3; zinc metalloendopeptidase; procollagen II N-proteinase; procollagen II amino propeptide-processing enzyme; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3; ADAMTS-4;
Gene ID	9508
mRNA Refseq	NM_014243
Protein Refseq	NP_055058
MIM	605011
UniProt ID	O15072
Chromosome Location	4q21
Function	heparin binding; metal ion binding; metalloendopeptidase activity; peptidase activity; zinc ion binding;