

Recombinant Human ADAMTS12 protein, His-tagged

Cat. No. ADAMTS12-1485H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAMTS12 aa. (Gln823~Pro997 (Accession # P58397)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln823~Pro997
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-1) motif. Individual members of this family differ in the number of C-terminal TS-1 motifs, and some have unique C-terminal domains. The enzyme encoded by this gene contains eight TS-1 motifs. It may play roles in pulmonary cells during fetal development or in tumor processes through its proteolytic activity or as a molecule potentially involved in regulation of cell adhesion.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.1kDa
Endotoxin	<1.0EU per 1ug (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°C 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°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% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	8.5

GENE INFORMATION

Gene Name	ADAMTS12 ADAM metalloproteinase with thrombospondin type 1 motif 12 [Homo sapiens (human)]
Official Symbol	ADAMTS12
Synonyms	ADAMTS12; ADAM metalloproteinase with thrombospondin type 1 motif 12; PRO4389; A disintegrin and metalloproteinase with thrombospondin motifs 12; ADAM-TS 12; ADAM-TS12; ADAMTS-12; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 12
Gene ID	81792

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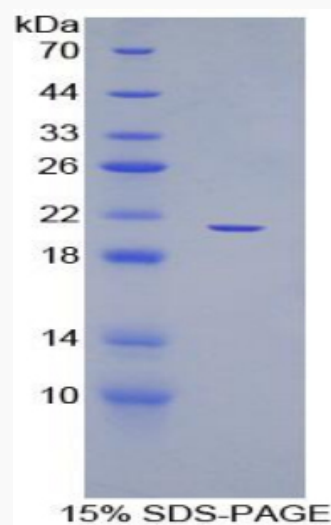
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mRNA Refseq [NM_001324511.1](#)

Protein Refseq [NP_001311440.1](#)

UniProt ID [P58397](#)

SDS-PAGE



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