

Recombinant Human ADAMTS13 protein, His & T7-tagged

Cat. No. ADAMTS13-5660H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAMTS13 aa. (Pro682~Cys859 (Accession # Q76LX8)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro682~Cys859
Description	This gene encodes a member of a family of proteins containing several distinct regions, including a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. The enzyme encoded by this gene specifically cleaves von Willebrand Factor (vWF). Defects in this gene are associated with thrombotic thrombocytopenic purpura. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.3kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.7.

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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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	ADAMTS13 ADAM metalloproteinase with thrombospondin type 1 motif 13 [Homo sapiens (human)]
Official Symbol	ADAMTS13
Synonyms	ADAMTS13; ADAM metalloproteinase with thrombospondin type 1 motif 13; VWFCP; C9orf8; vWF-CP; ADAM-TS13; ADAMTS-13; A disintegrin and metalloproteinase with thrombospondin motifs 13; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13; vWF-cleaving protease; von Willebrand factor-cleaving protease
Gene ID	11093
mRNA Refseq	NM_139025.4

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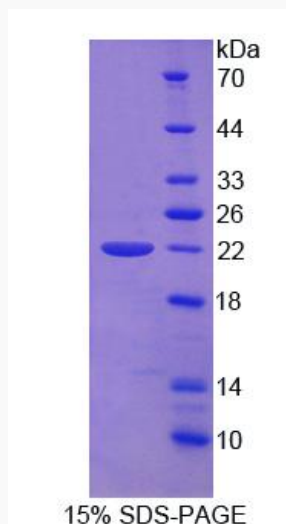
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Protein Refseq NP_620594.1

UniProt ID Q76LX8

SDS-PAGE



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