Recombinant Human ADAMTS9 protein, His & T7-tagged

Cat. No. ADAMTS9-1758H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAMTS9 aa. (Cys1727~Leu1935 (Accession # Q9P2N4)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Cys1727~Leu1935
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. Members of the ADAMTS family have been implicated in the cleavage of proteoglycans, the control of organ shape during development, and the inhibition of angiogenesis. This gene is localized to chromosome 3p14.3-p14.2, an area known to be lost in hereditary renal tumors. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.8kDa

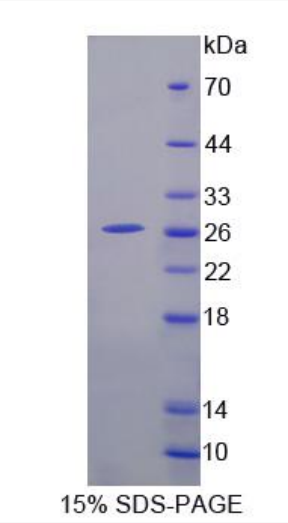
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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, 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 ddH2O.
Isoelectric Point	8.4

GENE INFORMATION

Gene Name	ADAMTS9 ADAM metallopeptidase with thrombospondin type 1 motif 9 [Homo sapiens (human)]
Official Symbol	ADAMTS9
Synonyms	ADAMTS9; ADAM metallopeptidase with thrombospondin type 1 motif 9; A disintegrin and metalloproteinase with thrombospondin motifs 9; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 9

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Gene ID	56999
mRNA Refseq	NM_001318781.1
Protein Refseq	NP_001305710.1
UniProt ID	Q9P2N4
SDS-PAGE	

15% SDS-PAGE

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