

Recombinant Human ADAMTS10 protein, His & T7-tagged

Cat. No. ADAMTS10-1759H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAMTS10 aa. (Arg239~Pro602 (Accession # Q9H324)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg239~Pro602
Description	This gene belongs to the ADAMTS (a disintegrin and metalloproteinase domain with thrombospondin type-1 motifs) family of zinc-dependent proteases. ADAMTS proteases are complex secreted enzymes containing a prometalloprotease domain of the reprotysin type attached to an ancillary domain with a highly conserved structure that includes at least one thrombospondin type 1 repeat. They have been demonstrated to have important roles in connective tissue organization, coagulation, inflammation, arthritis, angiogenesis and cell migration. The product of this gene plays a major role in growth and in skin, lens, and heart development. It is also a candidate gene for autosomal recessive Weill-Marchesani syndrome.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.7kDa
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% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	7.8

GENE INFORMATION

Gene Name	ADAMTS10 ADAM metalloproteinase with thrombospondin type 1 motif 10 [Homo sapiens (human)]
Official Symbol	ADAMTS10
Synonyms	ADAMTS10; ADAM metalloproteinase with thrombospondin type 1 motif 10; WMS; WMS1; ADAM-TS10; ADAMTS-10; A disintegrin and metalloproteinase with thrombospondin motifs 10; ADAM-TS 10; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 10; zinc metalloendopeptidase
Gene ID	81794

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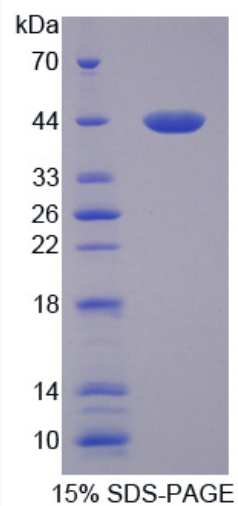
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mRNA Refseq NM_001282352.1

Protein Refseq NP_001269281.1

UniProt ID Q9H324

SDS-PAGE



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