

Recombinant Human ADAMTS8, His-tagged

Cat. No. ADAMTS8-3009H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A Disintegrin And Metalloproteinase With Thrombospondin 8 (ADAMTS8)
Species	Human
Source	E.coli
ProteinLength	889
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 enzyme encoded by this gene contains two C-terminal TS motifs, and disrupts angiogenesis in vivo. A number of disorders have been mapped in the vicinity of this gene, most notably lung neoplasms. [provided by RefSeq, Jul 2008]
Form	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	7.7kDa
Endotoxin	<1.0eu per 1ug (determined by the lal</1.0eu
Purity	>95%

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Applications	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Notes	Small volumes of ADAMTS8 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Reconstitution	Reconstitute in sterile PBS, pH 7.2-pH 7.4.
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	ADAMTS8 ADAM metalloproteinase with thrombospondin type 1 motif, 8 [Homo sapiens]
Official Symbol	ADAMTS8
Synonyms	ADAMTS8; ADAM metalloproteinase with thrombospondin type 1 motif, 8; a disintegrin like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 8; A disintegrin and metalloproteinase with thrombospondin motifs 8; ADAM TS8; FLJ41712; METH2; METH-2; METH-8; ADAMTS-8; ADAM-TS 8; a disintegrin-

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	like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 8; ADAM-TS8;
Gene ID	11095
mRNA Refseq	NM_007037
Protein Refseq	NP_008968
MIM	605175
UniProt ID	Q9UP79
Chromosome Location	11q25
Function	heparin binding; integrin binding; low affinity phosphate transmembrane transporter activity; metal ion binding; metalloendopeptidase activity; metalloprotease activity; peptidase activity; zinc ion binding;

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