

## Active Recombinant Human ADAMTS1 Protein, His-tagged

Cat. No. ADAMTS1-295H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ADAMTS1 (253 a.a. - 617 a.a.) amino acids 618-968 deleted partial recombinant protein with His tag expressed in insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	253-617 a.a.
<b>Description</b>	This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) 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 protein encoded by this gene contains two disintegrin loops and three C-terminal TS motifs and has anti-angiogenic activity. The expression of this gene may be associated with various inflammatory processes as well as development of cancer cachexia. This gene is likely to be necessary for normal growth, fertility, and organ morphology and function. [provided by RefSeq, Jul 2008]
<b>Form</b>	Liquid
<b>Bio-activity</b>	>= 1.4 mU/mg
<b>Molecular Mass</b>	41 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**AA Sequence**

FVSSHRYVETMLVADQSMAEFHGSGLKHYLLTLFSVAARLYKHPSIRNSVSLVVVKIL  
 VIHDEQKQPEVTSNAALTLRNFCNWQKQHNPSPDRDAEHYDTAILFTRQDLCGSQT  
 CDTLGMADVGTVCPSRSCSVIEDDGLQAAFTTAHELGHVFNMPHDDAKQCASLN  
 GVNQDSHMMASMLSNLDHSQPWSPCSAYMITSFLDNHGGECLMDKPHNPIQLPGD  
 LPGTSYDANRQCQFTFGEDSKHCPDAASTCSTLWCTGTSGGVLCQTKHFPWAD  
 GTSCGEGKWCINGKCVNKTDKHKHFDTPFHGNWGMWGPWGDCSRTCAGGGVQYT  
 MRECDNPVPKNGGKYCEGKRVRYRSCNLEDCPDN

**Purity** > 90% by SDS-PAGE

**Applications** Functional Study  
 SDS-PAGE

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Concentration** 0.2 mg/mL

**Storage Buffer** In 50 mM Tris-HCl, 150 mM NaCl, 5 mM CaCl<sub>2</sub>, pH 7.5 (0.05 % Brij-35 detergent)

## GENE INFORMATION

**Gene Name** [ADAMTS1 ADAM metalloproteinase with thrombospondin type 1 motif, 1 \[ Homo sapiens \]](#)

**Official Symbol** [ADAMTS1](#)

**Synonyms** ADAMTS1; ADAM metalloproteinase with thrombospondin type 1 motif, 1; a disintegrin like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 1; A disintegrin and metalloproteinase with thrombospondin motifs 1; C3 C5; KIAA1346; METH1; METH-1; ADAM-TS1; ADAMTS-1; ADAM-TS 1; human metalloproteinase with thrombospondin type 1 motifs; a disintegrin-like and

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metalloprotease (reprolysin type) with thrombospondin type 1 motif, 1; C3-C5;

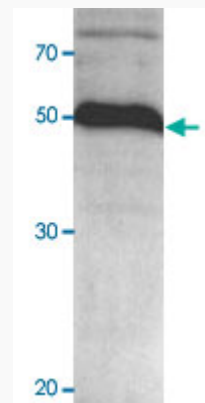
**Gene ID** 9510

**mRNA Refseq** NM\_006988

**Protein Refseq** NP\_008919

**MIM** 605174

**UniProt ID** Q9UH18



15% SDS-PAGE Stained with Coomassie Blue

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