

Active Recombinant Human ADAMTS1 Protein, His-tagged

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

SPECIFICATION

Product Overview	Human ADAMTS1 (253 a.a. - 617 a.a.) amino acids 618-968 deleted partial recombinant protein with His tag expressed in insect cells.
Species	Human
Source	Insect Cells
ProteinLength	253-617 a.a.
Description	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]
Form	Liquid
Bio-activity	≥ 1.4 mU/mg
Molecular Mass	41 kDa

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AA Sequence	FVSSHRYVETMLVADQSMAEFHGSLKHYLLTLFSVAARLYKHPSIRNSVSLVVVKIL VIHDEQKGPEVTSNAALTLRNFCNWQKQHNPPSDRDAEHYDTAILFTRQDLCGSQT CDTLGMADVGTVCPSRSCSVIEDDGLQAAFTTAHELGHVFNMPHDDAKQCASLN GVNQDSHMMASMLSNLDHSQPWSPCSAYMITSFLDNHGGECLMDKPHNPIQLPGD LPGTSYDANRQCQFTFGEDSKHCPDAASTCSTLWCTGTSGGVLVCQTKHFPWAD GTSCGEGKWCINGKCVNKTDKHFDTPFHGNWGMWGPWGDCSRTCAGGGVQYT 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 ₂ , 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;

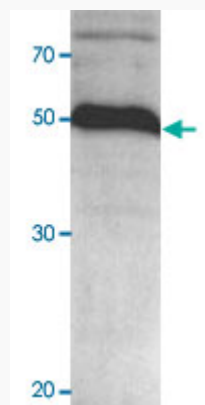
Gene ID 9510

mRNA Refseq NM_006988

Protein Refseq NP_008919

MIM 605174

UniProt ID Q9UHI8



15% SDS-PAGE Stained with Coomassie Blue

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