

Recombinant Full Length Human ADAMTS12 Protein, GST-tagged

Cat. No. ADAMTS12-916HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADAMTS12 full-length ORF (AAH58841.1, 1 a.a. - 229 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	229 amino acids
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-1) motif. Individual members of this family differ in the number of C-terminal TS-1 motifs, and some have unique C-terminal domains. The enzyme encoded by this gene contains eight TS-1 motifs. It may play roles in pulmonary cells during fetal development or in tumor processes through its proteolytic activity or as a molecule potentially involved in regulation of cell adhesion. [provided by RefSeq, Jul 2008]
Molecular Mass	52.4 kDa
AA Sequence	MPCAQRSWLA NLSVVAQLLN FGALCYGRQP QPGPVRFPDR RQEHFIKGLP EYHVVGPVRV DASGHFLSYG LHYPITSSRR KRDLDGSEDW VYYRISHEEK DLFFNLTVNQ GFLSNSYIME KRYGNLSHVK MMASSAPLCH LSGTVLQQGT

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RVGTAALSAC HGLTGFFQLP HGDFEIEPVK KHPLVEGGYH PHIVYRRQKV
PETKEPTCGL KGIVTHMSSW VEESVLFFW

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

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

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ADAMTS12 ADAM metalloproteinase with thrombospondin type 1 motif, 12 [Homo sapiens]

Official Symbol

ADAMTS12

Synonyms

ADAMTS12; ADAM metalloproteinase with thrombospondin type 1 motif, 12; a disintegrin like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 12; A disintegrin and metalloproteinase with thrombospondin motifs 12; ADAM-TS12; ADAMTS-12; ADAM-TS 12; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 12; PRO4389

Gene ID

81792

mRNA Refseq

NM_030955

Protein Refseq

NP_112217

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MIM	606184
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UniProt ID	P58397
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