Recombinant Human ADAMTS1, GST-tagged

Cat. No. ADAMTS1-105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAMTS1 was expressed as gst-tagged fusion protein by E.Coli and puri?ed by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	253-546aa
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.
Storage	The protein is stored in PBS buffer at -20oC. Repeated freezethaw cycles should be avoided.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	ADAMTS1 ADAM metallopeptidase with thrombospondin type 1 motif, 1 [Homo sapiens (human)]
Official Symbol	ADAMTS1
Synonyms	ADAMTS1; C3-C5; METH1; ADAM metallopeptidase with thrombospondin type 1 motif, 1; A disintegrin and metalloproteinase with thrombospondin motifs 1; METH-1; ADAM-TS1; ADAMTS-1; ADAM-TS 1; human metalloproteinase with thrombospondin type 1 motifs; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 1
Gene ID	9510
mRNA Refseq	NM_006988
Protein Refseq	NP_008919
MIM	605174
UniProt ID	Q9UHI8
Chromosome Location	21q21.2
Pathway	Endochondral Ossification
Function	heparin binding; metalloendopeptidase activity; metallopeptidase activity

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