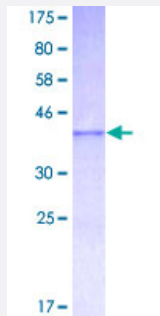


ADAMTS1 (Human) Recombinant Protein (Q01)

Catalog # H00009510-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADAMTS1 partial ORF (AAH36515, 858 a.a. - 967 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	WVIEEWGECSKSCELGWQRRLVECRDINGQPASECAKEVKPASTRPCADHPCPQWQLGEWS SCSKTCGKGYKKRSLKCLSHDGGVLSHESCDPLKKPKHFIDFCTMAECS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (81); Rat (81)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ADAMTS1

Entrez GeneID [9510](#)

GeneBank Accession# [BC036515](#)

Protein Accession# [AAH36515](#)

Gene Name ADAMTS1

Gene Alias C3-C5, KIAA1346, METH1

Gene Description ADAM metalloproteinase with thrombospondin type 1 motif, 1

Omim ID [605174](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 1|human metalloproteinase with thrombospondin type 1 motifs

Disease

- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Myocardial Infarction](#)
- [Stroke](#)