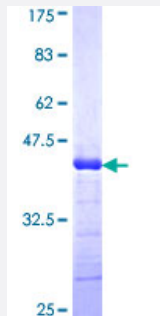


ADAMTS2 (Human) Recombinant Protein (Q01)

Catalog # H00009509-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADAMTS2 partial ORF (NP_055059, 1112 a.a. - 1210 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KHNDIDVFMPTLPVPTVAMEVRPSPSTPLEVPLNASSTNATEDHPETNAVDEPYKIHGLEDEVQP PNLIPRRPSPYEKTRNQRIQELIDEMRKKEMLGK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (88); Rat (85)
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 — ADAMTS2

Entrez GeneID [9509](#)

GeneBank Accession# [NM_014244](#)

Protein Accession# [NP_055059](#)

Gene Name ADAMTS2

Gene Alias ADAM-TS2, ADAMTS-3, NPI, PCINP, PCPNI, hPCPNI

Gene Description ADAM metalloproteinase with thrombospondin type 1 motif, 2

Omim ID [225410](#) [604539](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The enzyme encoded by this gene excises the N-propeptide of type I, type II and type V procollagens. Mutations in this gene cause Ehlers-Danlos syndrome type VIIC, a recessively inherited connective-tissue disorder. Alternative splicing results in two transcript variants. The short transcript encodes a protein which has no significant procollagen N-peptidase activity. [provided by RefSeq]

Other Designations a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 2|procollagen I N-proteinase|procollagen N-endorpeptidase