

# ADAMTS18 (Human) Recombinant Protein (Q01)

Catalog # H00170692-Q01

Size 25 ug, 10 ug

## Applications



## Specification

Product Description	Human ADAMTS18 partial ORF ( NP_955387.1, 942 a.a. - 1047 a.a.) recombinant protein with GST -tag at N-terminal.
Sequence	TCSKACAGGQQSRKIQCVCQKKPFQKEEAVLHSLCPVSTPTQVQACNSHACPPQWSLGPWSQC SKTCGRGVRKRELLCKGSAAETLPESQCTSLRPELQEGCVLGR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.4
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
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 — ADAMTS18

**Entrez GeneID** [170692](#)

**GeneBank Accession#** [NM\\_199355](#)

**Protein Accession#** [NP\\_955387.1](#)

**Gene Name** ADAMTS18

**Gene Alias** ADAMTS21

**Gene Description** ADAM metalloproteinase with thrombospondin type 1 motif, 18

**Omim ID** [607512](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. ADAMTS family members 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 has a high sequence similarity to the protein encoded by gene ADAMTS16, another family member. It is thought to function as a tumor suppressor. Alternatively spliced transcript variants have been identified, but their biological validity has not been determined. [provided by RefSeq]

**Other Designations** a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 18|a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 21|disintegrin and metalloprotease-like protein

## Disease

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- [Breast Neoplasms](#)
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- [Hip Fractures](#)
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- [Tobacco Use Disorder](#)