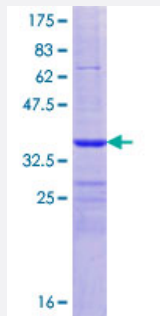


# ADAMTS5 (Human) Recombinant Protein (Q01)

Catalog # H00011096-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human ADAMTS5 partial ORF ( NP_008969.1, 832 a.a. - 930 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	VQILATDPTKPLDVRYSFVPPKKSTPKVNSVTSHGSNKGVSHTSQPQWVTGPWLACSRCTDGV WHTRTVQCQDGNRKLAKGCPLSQRPSAFKQCLLKCC
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.63
<b>Interspecies Antigen Sequence</b>	Mouse (90); Rat (89)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 — ADAMTS5

Entrez GeneID [11096](#)

GeneBank Accession# [NM\\_007038](#)

Protein Accession# [NP\\_008969.1](#)

Gene Name ADAMTS5

Gene Alias ADAMTS11, ADMP-2, FLJ36738

Gene Description ADAM metalloproteinase with thrombospondin type 1 motif, 5

Omim ID [605007](#)

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 contains two C-terminal TS motifs and functions as aggrecanase to cleave aggrecan, a major proteoglycan of cartilage. [provided by RefSeq]

**Other Designations** a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)|aggrecanase-2

## Disease

- [Genetic Predisposition to Disease](#)
- [Osteoarthritis](#)