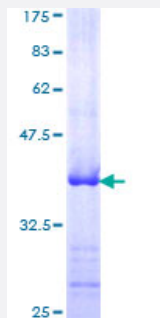


ADAMTS4 (Human) Recombinant Protein (Q01)

Catalog # H00009507-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADAMTS4 partial ORF (AAH63293, 693 a.a. - 802 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RKFRYGYNVVTIPAGATHILVRQQGNPGHRSMLALKLPDGSYALNGEYTLMPSPDVLPGAVSL RYSGATAASETLSGHGPLAQPLTLQVLVAGNPQDTRLRYSFFV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Rat (84)
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 — ADAMTS4

Entrez GeneID [9507](#)

GeneBank Accession# [BC063293](#)

Protein Accession# [AAH63293](#)

Gene Name ADAMTS4

Gene Alias ADAMTS-2, ADAMTS-4, ADMP-1, KIAA0688

Gene Description ADAM metalloproteinase with thrombospondin type 1 motif, 4

Omim ID [603876](#)

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 lacks a C-terminal TS motif. It is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The cleavage of aggrecan and brevican suggests key roles of this enzyme in arthritic disease and in the central nervous system, potentially, in the progression of glioma. [provided by RefSeq]

Other Designations OTTHUMP00000032249|a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4|aggrecanase-1

Disease

- [Dominance](#)
- [Schizophrenia](#)