Full-Length

ADAMTS18 (Human) Recombinant Protein (P02)

Catalog # H00170692-P02 Size 50 ug

Specification

Product Description	Human ADAMTS18 full-length ORF (BAD18550.1, 1 a.a. - 415 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVAYSVQVLAVFISCAILTLAMKIAWIFGLNSVQNITANLSVDGSTSGNPIQKWKRKIDANCTARLRT LNFFFAMSGKVKDGTPCSPNKNDVCIDGVCELVGCDHELGSKAVSDACGVCKGDNSTCKFYKG LYLNQHKANEYYPVVLIPAGARSIEIQELQVSSSYLAVRSLSQKHYLTGGWSIDWPGEFPFAGTTFE YQRSFNRPERLYAPGPTNETLVFEILMQGKNPGIAWKYALPKVMNGTPPATKRPAYTWSIVQSEC SVSCGGGYINVKAICLRDQNTQVNSSFCSAKTKPVTEPKICNRRACPAHPVYNMVAGWYSLPWQ QCTVTCGGGVQTRSVHCVQQGRPSSSCLLHQKPPVLRACNTNFCPAPEKREDPSCVDFFNWC HLVPQHGVCNHKFYGKQCCKSCTRKI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	72.2
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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#	AK131403.1
Protein Accession#	BAD18550.1
Gene Name	ADAMTS18
Gene Alias	ADAMTS21
Gene Description	ADAM metallopeptidase 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 thrombo spondin motifs) protein family. ADAMTS family members share several distinct protein modules, i ncluding a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a throm bospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal T S motifs, and some have unique C-terminal domains. The protein encoded by this gene has a hig h sequence similarity to the protein encoded by gene ADAMTS16, another family member. It is th ought to function as a tumor suppressor. Alternatively spliced transcript variants have been identifi ed, 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 dis integrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 21|disintegri n and metalloprotease-like protein

Disease

- Breast cancer
- Breast Neoplasms
- Chromosome Deletion
- Genetic Predisposition to Disease
- Hip Fractures
- Osteoporosis

- Tobacco Use Disorder