

Recombinant Full Length Human ADAMTS18 Protein, GST-tagged

Cat. No. ADAMTS18-918HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADAMTS18 full-length ORF (BAD18550.1, 1 a.a. - 415 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	415 amino acids
Description	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 encoded preproprotein is proteolytically processed to generate the mature protein, which may regulate hemostatic balance and function as a tumor suppressor. Mutations in this gene may be associated with microcornea, myopic chorioretinal atrophy, and telecanthus (MMCAT) and cone-rod dystrophy in human patients. [provided by RefSeq, May 2016]
Molecular Mass	72.2 kDa
AA Sequence	MVAYSVQVLA VFISCAITL AMKIAWIFGL NSVQNITANL SVDGSTSGNP IQKWKRKIDA NCTARLRTL N FFFAMSGKVK DGTPCSPNKN DVCIDGVCEL

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VGCDHELGSK AVSDACGVCK GDNSTCKFYK GLYLNQHKAN EYYPVVLIPA
 GARSIEIQEL QVSSSYLAVR SLSQKHLYTG GWSIDWPGEF PFAGTTFEYQ
 RSFNRPERLY APGPTNETLV FEILMQGKNP GIAWKYALPK VMNGTPPATK
 RPAYTWSIVQ SECSVSCGGG YINVKAICLR DQNTQVNSSF CSAKTKPVE
 PKICNRRACP AHPVYNMVAG WYSLPWQQCT VTCGGGVQTR SVHCVQQGRP
 SSSCLLHQKP PVLRACTNF CPAPEKREDP SCVDFFNWCH LVPQHGVCNH
 KFYGKQCCKS CTRKI

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ADAMTS18 ADAM metalloproteinase with thrombospondin type 1 motif, 18 [Homo sapiens]

Official Symbol

ADAMTS18

Synonyms

ADAMTS18; ADAM metalloproteinase with thrombospondin type 1 motif, 18; a disintegrin like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 18 , ADAMTS21; A disintegrin and metalloproteinase with thrombospondin motifs 18; disintegrin and metalloproteinase-like protein; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 18; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 21;

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KNO2; ADAMTS21

Gene ID 170692**mRNA Refseq** NM_199355**Protein Refseq** NP_955387**MIM** 607512**UniProt ID** Q8TE60 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA