

Recombinant Human ADAMTS18 Protein, GST-tagged

Cat. No. ADAMTS18-302H **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	Wheat Germ
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	MVAYSVQVLAVFISCAILTLAMKIAWIFGLNSVQNITANLSVDGSTSGNPIQKWKRKID ANCTARLRTLNFFFAMSGKVKGTPCSPNKNVDCIDGVCELVGCDHELGSKAVSDA CGVCKGDNSTCKFYKGLYLNQHKANEYYPVVLIPAGARSIEIQELQVSSSYLAVRSL SQKHYLTGGWSIDWPGEFPFAGTTFEYQRSFNRPERLYAPGPTNETLVFEILMQGK

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NPGIAWKYALPKVMNGTPPATKRPAYTWSIVQSECSVSCGGGYINVKAICLRDQNT
QVNSSFCSAKTKPVTEPKICNRRACPAHPVYNMVAGWYSLPWQQCTVTCGGGVQ
TRSVHCVQQGRPSSSCLLHQKPPVLRACNTNFCPAPEKREDPSCVDFFNWCHLVP
QHGV CNHKFYGKQCKSCTRKI

Applications

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

Notes Best use within three months from the date of receipt of this protein.

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; KNO2; ADAMTS21;

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Gene ID	170692
mRNA Refseq	NM_199355
Protein Refseq	NP_955387
MIM	607512
UniProt ID	Q8TE60

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