

Von Willebrand Factor Cleaving Protease Recombinant Protein | vWFCP recombinant protein

Recombinant Von Willebrand Factor Cleaving Protease (vWFCP)

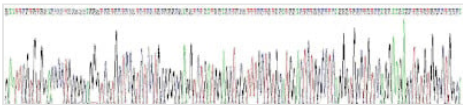
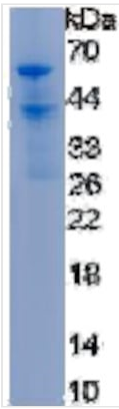
CATALOG # AAA145917	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Von Willebrand Factor Cleaving Protease; Recombinant Von Willebrand Factor Cleaving Protease (vWFCP); ADAMTS13; TTP; vWF-cp; vWF-cleaving protease; A Disintegrin And Metalloproteinase With A Thrombospondin Type 1 Motif Member 13; vWFCP recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 80%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .
Concentration	Original Concentration: 150ug/mL (varies by lot)
Applicable Applications for vWFCP recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Val896~Val1131
Tags	N-terminal His and GST Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	6.6
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Identification
Gene sequencing (Extract)

SDS-PAGE

AGSCSVSCGR GIMELRFLCM DSALRVPVQE ELGGLASKPG SRREVCQAVP
CPARMQYKLA ACSVSCGRGV VRRILYCARA HGEDDGEEIL LDTQCGLPR
PEPDGACSLR PCPPRWKVMH LGPCSASCGL GTARRSVACV QLDQGDVEV
DEAACALVR PEASVPLIA DCTYRWVGT WNECSVSCGD GIORRDTCL
GPQAGAPVPA DFCQHLKPV TVRGWAGPC V

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	16306598
NCBI GeneID	11093
Molecular Weight	Predicted Molecular Mass: 55.4kDa Accurate Molecular Mass: 60kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	von Willebrand factor-cleaving protease
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif 13
NCBI Official Symbol	ADAMTS13
NCBI Official Synonym Symbols	VWFCP; C9orf8; vWF-CP; ADAM-TS13; ADAMTS-13
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 13
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 13
UniProt Gene Name	ADAMTS13
UniProt Synonym Gene Names	C9orf8; ADAM-TS 13; ADAM-TS13; ADAMTS-13; vWF-CP; vWF-cleaving protease
UniProt Entry Name	ATS13_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.