

Product Information

MemDX™ Membrane Protein Human ADAMTS13 (ADAM metalloproteinase with thrombospondin type 1 motif 13) for Antibody Discovery

Cat. No.: **MP0586J**

This product is for research use only and is not intended for diagnostic use.

This product is a 149.9 kDa Human ADAMTS13 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ADAMTS13

Protein Length

Full-length

Protein Class

Secreted Protein, Transmembrane

Molecular Weight

149.9 kDa

Sequence

MHQRHPRARCPPLCVAGILACGFLGCVGSPSHFQQSCLQALEPQAVSSYLSPGAPLKGRPPSPGFQRQRQ
RQRRRAAGGILHLELLVAVGPDVFQAHQEDTERYVLTNLNIGAEALLRDP SLGAQFRVHLVKMVLTEPEGA
PNITANLTSSLLSVCGWSQTINPEDDTPGHADLVLYITRFDLELPDGNRQVRGV TQLGGAC SPTW SCLI
TEDTGFDLGVTIAHEIGHSFGLHGDGAPSGCGPSGHVMASDGAAPRAGLAWSPCSRRQLLSLLSAGRAR
CVWDPPRPQPGSAGHPPDAQPGLYYSANEQCRVAFGPKAVACTFAREHLD MCQALSCHTDPLDQSSCSRL
LVPLLDGTECGVEKWC SKGRCSLVELTPIAAVHGRWSSWGPRSPCSRSCGGGVVTRRRQCNNPRPAFGG
RACVGADLQAEMCNTQACEKTQLEFMSQQCARTDGGQPLRSSPGGASFYHWGA AVPHSQGDALCRHMCRAI
GESFIMKRGDSFLDGT RCMPSGPREDGTLSLCVSGSCRTFGCDGRMDSQQVWDRCQVCGGDNSTCSPRKG
SFTAGRAREYVTF LTVTPNLTSVYIANHRPLFTHLAVRIGGRYV VAGKMSISPNTTYP SLLEDGRVEYRV
ALTEDRLPRLEEIRIWG PLQEDADIQVYRRYGE EYGNLTRPDITFTYFQPKPRQAWVWA AVRGPCSVSCG
AGLRWVNYSCLDQARKELVETVQCQGSQQPPAWPEACVLEPCPPYWAVGDFGPCSASC GGGLRERPVRCV
EAQGSLLKTLPPARCRAGAQQPAVALET CNPQPCPARWEVSEPSSCTSAGGAGLALENETCVPGADGLEA
PVTEGPGSVDEKLPAPEPCVGMSCPPGWGHL DATSAGEKAPSPWGSIRTGAQA AHVWTPAAGSCSVSCGR
GLMELRFLC MDSALRV PVQEELCGLASKPGSRREVCQAVPCPARWQYKLAACSVSCGRGVVRRILYCARA
HGEDDGEEILLDTQCQGLPRPEPQEACSL EPCPPRWKVMSLGPCSASCGLGTARRSVACVQLDQGGQDVEV
DEACAALVRPEASVPCLIADCTYRWVGTWMECSVSCGDGIQRRRDTCLGPQAQAPVPADFCQHLPKPV
TVRGCWAGPCVGGQTPSLVPHEEAAAPGR TTATPAGASLEWSQARGLLFSPAPQPRRLLPGPQENS VQSS
ACGRQHLEPTGTIDMRGPGQADCAVAIGRPLGEV VTLRVLESSLNC SAGDMLLLWGRLTW RKMCRKLLDM
TFSSKTNLT VVRQRCGRPGGGVLLRYGSQLAPETFYRECDMQLFGPWGEIVSPSLSPATSNAGGCRLFIN
VAPHARIAHALATNMGAGTEGANASYILIRDTHSLRTTAFHGQQVLYWESESSQAEMEFSEGFLKAQAS
LRGQYWTLQSWVP EMQDPQSWKGKEGT

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

ADAMTS13

Full Name

ADAM metalloproteinase with thrombospondin type 1 motif 13

Introduction

This gene encodes a member of a family of proteins containing several distinct regions, including a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. The enzyme encoded by this gene specifically cleaves von Willebrand Factor (vWF). Defects in this gene are associated with thrombotic thrombocytopenic purpura. Alternative splicing results in multiple transcript variants.

Alternative Names

VWFCP; C9orf8; vWF-CP; ADAM-TS13; ADAMTS-13

Gene ID

[11093](#)

UniProt ID

[Q76LX8](#)