

Recombinant Human ADAMTS13 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADAMTS13-1432H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ADAMTS13 MS Standard C13 and N15-labeled recombinant protein (NP_620594) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	149.9 kDa
AA Sequence	MHQRHPRARCPPLCVAGILACGFLGCGWGPSHFQQSCLQALEPQAVSSYLSPGAP LKGRPPSPGFQRQRQRQRAAGGILHLELLVAVGPDVFQAHQEDTERYVLTNLNIG AELLRDP SLGAQFRVHLVKMVILTEPEGAPNITANLTSSLLSVCGWSQTINPEDDTP GHADLVLYITRFDLELPDGNRQVRGVTQLGGACSTWSCLTEDTGFDLGVTIAHEIG HSFGLHDGAPGSGCGPSGHVMASDGAAPRAGLAWSPCSRRQLLSLLSAGRARC VWDPPRPQPGSAGHPPDAQPGLYYSANEQCRVAFGPKAVACTFAREHLDMCQAL SCHTDPLDQSSCSRLLVPLLDGTECGVEKWCSKGRCRSLVELTPIAAVHGRWSSW

 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

GPRSPCSRSCGGGVVTRRRQCNNPRPAFGGRACVGADLQAEMCNTQACEKTQLE
 FMSQQCARTDGGQLRSSPGGASFYHWGAAVPHSQGDALCRHMCRAIGESFIMKR
 GDSFLDGTRCMPSPGPREDGTLSLCVSGSCRTFGCDGRMDSQQVWDRQCVCGGD
 NSTCSPRKGSFTAGRAREYVTFLTVTPNLTSVYIANHRPLFTHLAVRIGGRYVWAGK
 MSISPNTTYPSSLLEDGRVEYRVALTEDRLPRLEEIRIWGPLQEDADIQVYRRYGEEY
 GNLTRPDITFTYFQPKPRQAWVWAAVRGPCSVSCGAGLRWVNYSCLDQARKELVE
 TVQCQGSQQPPAWPEACVLEPCPPYWAVGDFGPCSASC GGGLRERPVRVCVEAQ
 GSLLKTLPPARCRAGAQQPAVALETCPNPQPCPARWEVSEPSSCTSAGGAGLALEN
 ETCVPGADGLEAPVTEGPGSVDEKLPAPEPCVGMSCPPGWGHLDATSAGEKAPSP
 WGSIRTGAQAAHVWTPAAGSCSVSCGRGLMELRFLCMDALRVPVQEELCGLASK
 PGSRREVCQAVPCPARWQYKLAACSVSCGRGVVRRILYCARAHGEDDGEEILLDT
 QCQGLPRPEPQEACSLEPCPPRWKVM SLGPCSASCGLGTARRSVACVQLDQGQD
 VEVDEAACAALVRPEASVPCLADCTYRWHVGTWMECSVSCGDGIQRRRDTCLGP
 QAQAPVPADFCQHLPKPVTVRGCWAGPCVGGTTPSLVPHEEAAAPGRTTATPAGA
 SLEWSQARGLLFSPAPQPRLLPGPQENSQSSACGRQHLEPTGTIDMRGPGQAD
 CAVAIGRPLGEVTLRVLESSLNCSAGDMLLLWGRLTWRKMCRKLLDMTFSSKTNT
 LVVRQRCGRPGGGVLLRYGSQLAPETFYRECDMQLFGPWGEIVSPSLSPATSNAG
 GCRLFINVAPHARIAHALATNMGAGTEGANASYILIRDTHSLRTTAFHGGQVLYWES
 ESSQAEMEFSEGFLKAQASLRGQYWTLQSWVPEMQDPQSWKGKEGTTRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ADAMTS13 ADAM metallopeptidase with thrombospondin type 1 motif 13 [Homo sapiens (human)]

Official Symbol ADAMTS13

Synonyms ADAMTS13; ADAM metallopeptidase with thrombospondin type 1 motif, 13; a disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13, C9orf8; A disintegrin and metalloproteinase with thrombospondin motifs 13; DKFZp434C2322; FLJ42993; MGC118899; MGC118900; TTP; vWF CP; VWFCP; ADAM-TS 13; vWF-cleaving protease; von Willebrand factor-cleaving protease; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13; 13; C9orf8; vWF-CP; ADAM-TS; ADAM-TS13; ADAMTS-13;

Gene ID 11093

mRNA Refseq NM_139025

Protein Refseq NP_620594

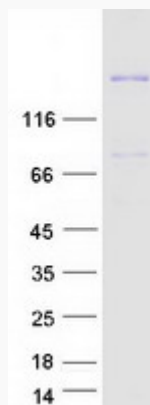
MIM 604134

UniProt ID Q76LX8

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SDS-PAGE

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