

Recombinant Human ADAMTS3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADAMTS3-1965H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ADAMTS3 MS Standard C13 and N15-labeled recombinant protein (NP_055058) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family 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 protease. This protease, a member of the procollagen aminopropeptidase subfamily of proteins, may play a role in the processing of type II fibrillar collagen in articular cartilage.
Molecular Mass	135.6 kDa
AA Sequence	MVLLSLWLIAAALVEVRTSADGQAGNEEMVQIDLPIKRYREYELVTPVSTNLEGRYLS HTLSASHKKRSARDVSSNPEQLFFNITAFGKDFHLRLKPNTQLVAPGAVVEWHETSL VPGNITDPINNHQPGSATYRIRKTEPLQTNCAVYVDIVDIPGTSVAISNCDGLAGMIKS DNEEYFIEPLERGKQMEEKGRIVVYKRSVEQAPIDMSKDFHYRES DLEGLDDLG

 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

TVYGNIHQQLNETMRRRRHAGENDYNIEVLLGVDDSVVRFHGKEHVQNYLLTLMNI
 VNEIYHDESLGVHINVVLVRMIMLGYAKSISLIERGNPSRSLENVCRWASQQQRSDL
 NHSEHHDHAIFLTRQDFGPAGMQGYAPVTGMCHPVRSCTLNHEDGFSSAFVVAHE
 TGHVLGMEHDGQGNRCGETAMGSVMAPLVQAAFHRYHWSRCSGQELKRYIHSY
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 HPDNPYFCKTKKGPPLDGTCAAGKWICYKGHCMMWKNANQQKQDGNWGSWTKF
 GSCSRTC GTGVRFRTRQCNNPMPINGGQDCPGVNFYQLCNTEECQKHFEDFRA
 QQCQRNSHFYQNTKHHWLPYEHDPKCRCHLYCQSKETGDVAYMKQLVHDGT
 HCSYKDPYSICVRGECVKVGC DKEIGSNKVEDKCGVCGGDNSHCRTVKGTFTTRTP
 RKLGYLKMFDIPPGARHVLIQEDEASPHILAIKNQATGHYILNGKGEEAKSRTFIDLGV
 EWDYNIEDDIESLHTDGPLHDPVIVLIIPQENDTRSSLTYKYIIHEDSVPTINSNNVIQEE
 LDTFEWALKSWSQCSKPCGGGFQYTKYGCRRKSDNKMVHRSFCEANKPKPIRR
 MCNIQECTHPLWVAEEWEHCTKTCGSSGYQLRTRVCLQPLLDGTNRSVHSCYCMG
 DRPESRRPCNRVPCPAQWKTGPWSECSVTCGEGTEVRQVLCRAGDHCDGKPEPES
 VRACQLPPCNDEPCLGDKSIFCQMEVLARYCSIPGYNKLCCESCSKRSSTLPPPYLL
 EAAETHDDVISNPSDLPRSLVMPTSLVPYHSETPAKKMSLSSISSVGGPNAYAAFRP
 NSKPDGANLRQRSAQQAGSKTVRLVTVPSPTKRVLHSSASQMAAASFFAASDSI
 GASSQARTSKKDGKIIDNRRPTRSSTLERTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

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.

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GENE INFORMATION

Gene Name	ADAMTS3 ADAM metallopeptidase with thrombospondin type 1 motif 3 [Homo sapiens (human)]
Official Symbol	ADAMTS3
Synonyms	ADAMTS3; ADAM metallopeptidase with thrombospondin type 1 motif, 3; a disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3; A disintegrin and metalloproteinase with thrombospondin motifs 3; ADAMTS 4; KIAA0366; ADAM-TS3; ADAMTS-3; PC II-NP; ADAM-TS 3; zinc metalloendopeptidase; procollagen II N-proteinase; procollagen II amino propeptide-processing enzyme; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3; ADAMTS-4;
Gene ID	9508
mRNA Refseq	NM_014243
Protein Refseq	NP_055058
MIM	605011
UniProt ID	O15072

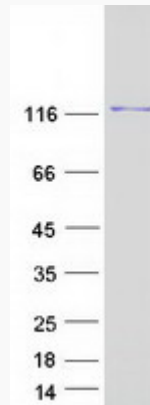
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