

## Product datasheet for TP311602

### ADAMTS3 (NM\_014243) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human ADAM metallopeptidase with thrombospondin type 1 motif, 3 (ADAMTS3), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC211602 protein sequence

**Clone or AA** Red=Cloning site Green=Tags(s)

**Sequence:**

MVLLSLWLIAAALVEVRTSADGQAGNEEMVQIDLPIKRYREYELVTPVSTNLEGRYLSHTLSASHKKRSA  
RDVSSNPEQLFFNITAFGKDFHLRLKPNQLVAPGAVVEWHETSLVPGNITDPINNHQPGSATYRIRKTE  
PLQTNCAVVGDIVDIPGTSVAISNCDGLAGMIKSDNEEFIEPLERGGKQMEEEKGRIHVYKRSVAEQAP  
IDMSKDFHYRESLDLEGLDDLGTVYGNIHQQLNETMRRRRRHAGENDYNIENVLLGVDDSVRFHGKEHVQNY  
LLTLMNIVNEIYHDESLGVHINVLVLRMIMLGYAKSISLIERGNPSRLENVCRWASQQQRSDLNHSEHH  
DHAIFLTRQDFGPAGMQGYAPVTGMCHPVRSC TLNHEDGFSSAFVAHETGHVLMGMEHDGQGNRCGDETA  
MGSVMAPLVQAAFHRYHWSRCSGQELKRYIHSYDCLLDDPFDHDWPKLPELPGINYSMDEQCRFDGFGVY  
KMCTAFRTFDPCKQLWC SHPDNPFYCKTKKGPPLDGTECAAGKWYKGHCMWKNANQQKQDGNWGSWTKF  
GSCSRTC GTGVRFRTRQCNNPMPINGGQDCPGVNFYQLCNTTEECQKHFEDFRAQQCQQRNSHFYQNTK  
HHWLPYEHDPKKRCHLYCQSKETGDVAYMKQLVHDGTHCSYKDPYSICVRGECVKVGC DKEIGSNKVED  
KCGVCGGDNSHCRTVKGTFRTRPRKLG YLKMFDIPPGARHVLIQE DEASPHILA IKNQATGHYILNGKGE  
EAKSRTFIDLGVWDYNI EDDIESLHTDGPLHDPVIVLIIPQENDTRSSLTYKYIIHEDSVPTINSNNVI  
QEELDTFEWALKSWSQCSKPCGGGFQYTKYGCRRKSDNKMVHRSFCEANKKPKPIRRMCNIQECTHPLWV  
AEEWEHCTKTCGSSGYQLRTVRCLQPLLDG TNRSVH SKYCMGDRPESRRPCNRVPCPAQWKTGPWSECSV  
TCGEGTEVRQVLCRAGDHCDG EKPE SVRACQLPPCNDEPCLGDKSIFCQMEVLARYCSIPGYNKLCCESC  
SKRSSTLPPPYLLEAAETHDDVISNPSDLPRSLVMPTSLVPYHSETPAKKMSLSSISSVGGPNAYAAFRP  
NSKPDGANLRQSAQQAGSKTVRLVTPSSPPTKRVHLSSASQMAAASFFAASDSIGASSQARTSKKDGK  
IIDNRRPTRSSTLER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

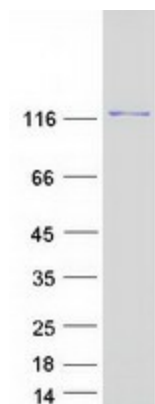
**Predicted MW:** 135.4 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method



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<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_055058</a>
<b>Locus ID:</b>	9508
<b>UniProt ID:</b>	<a href="#">O15072</a> , <a href="#">Q96AY5</a> , <a href="#">B7Z2U9</a>
<b>RefSeq Size:</b>	5836
<b>Cytogenetics:</b>	4q13.3
<b>RefSeq ORF:</b>	3615
<b>Synonyms:</b>	ADAMTS-4; HKLLS3
<b>Summary:</b>	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. [provided by RefSeq, Feb 2016]
<b>Protein Families:</b>	Druggable Genome, Protease, Secreted Protein

**Product images:**

Coomassie blue staining of purified ADAMTS3 protein (Cat# TP311602). The protein was produced from HEK293T cells transfected with ADAMTS3 cDNA clone (Cat# [RC211602]) using MegaTran 2.0 (Cat# [TT210002]).