



# Recombinant Mouse ADAMTS5 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06054

**Protein Name:** ADAMTS5

**Aliases:** ADMP-ADAM-TS5; ADAMTS-ADAMTS11; ADAM-TS ADAMTS-11; ADAM-TS 11

**UniProt ID:** Q9UNA0

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q9UNA0/entry>

**Species Source:** Mus musculus (Mouse)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (262-930aa)

**Molecular Weight:** 77.8kDa

**Protein Tag:** N-terminal 6xHis-tagged

## 2. Amino Acid Sequence (262-930aa)

SISRARQVELLLVADSSMARMYGRGLQHLLTLASIANRLYSHASIENHIRLAVVKVV  
VLTDKDTSLVSKNAATTLKNFCKWQHQNQLGDDHEEHYDAAILFTREDLCGHHS  
CDTLGMADVGTICSPERSCAVIEDDGLHAAFTVAHEIGHLLGLSHDDSKFCEENFGT  
TEDKRLMSSILTSIDASKPWSKCTSATITEFLDDGHNCLLDLPRKQILGPEELPGQT  
YDATQQCNLTFGPEYSVCPGMDVCARLWCAVVRQGQMVCLTKKLPAVEGTPCGK  
GRVCLQGKCVDKTKKKYYSTSSHGNWGSWGPWGQCSRSCGGGVQFAYRHCNN  
PAPRNSGRYCTGKRAIYRSCSVTPCPPNGKSFRRHEQCEAKNGYQSDAKGVKTFVE  
WVPKYAGVLPADVCKLTCRAKGTGYVVFSPKVTDGTECRPYSNSVCVRGRCVRT  
GCDGIIGSKLQYDKCGVCGGDNSSCTKIIGTFNKKSKGYTDVVRPEGATHIKVRQF  
KAKDQTRFTAYLALKKKTGEYLINGKYMISTSETIIDINGTVMNYSGWSHRDDFLHG  
MGYSATKEILIVQILATDPTKALDVRYSFFVPKKTQKVNSVISHGSNKVGPSTQLQ  
WVTGPWLACSRCTDGTGWHTRTVQCQDGNRKLAKGCLLSQRPSAFKQCLLKKC

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## 5. Product Description

This product is a recombinant Mouse ADAMTS5 full length of mature protein protein (262-930aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ADAMTS5, also known as ADMP-ADAM-TS5 or ADAMTS-ADAMTS11 or ADAM-TS ADAMTS-11, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.