



Recombinant Mouse A disintegrin and metalloproteinase with thrombospondin motifs 5 (Adamts5)

Product Code	CSB-MP889914MO
Abbreviation	Adamts5
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9R001
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	SISRARQVE LLLVADSSMA RMYGRGLQHY LLTLASIANR LYSHASIENH IRLAVVKVVV LTDKDTLSLEV SKNAATTLKN FCKWQHQQHNQ LGDDHEEHYD AAILFTREDL CGHHSCDTLG MADVGTICSP ERSCAVIEDD GLHAAFTVAH EIGHLLGLSH DDSKFCEENF GTTEDKRLMS SILTSIDASK PWSKCTSATI TEFLDDGHGN CLLDLPRKQI LGPEELPGQT YDATQQCNLT FGPEYSVCPG MDVCARLWCA VVRQGGQMVCL TKKLPAVEGT PCGKGRVCLQ GKCVDKTKKK YYSTSSHGNW GSWGPWGQCS RSCGGGVQFA YRHCCNPAPR NSGRYCTGKR AIYRSCSVTP CPPNGKSF RH EQCEAKNGYQ SDAKGVKTFV EWVPKYAGVL PADVCKLTCR AKGTGYVVVF SPKVTDGTEC RPYSNSVCVR GRCVRTGCDG IIGSKLQYDK CGVCGGDNSS CTKIIGTFNK KSKGYTDVVR IPEGATHIKV RQFKAKDQTR FTAYLALKKK TGEYLINGKY MISTSETIID INGTVMNYSG WSHRDDFLHG MGYSATKEIL IVQILATDPT KALDVRYSTFF VPKKTTQKVN SVISHGSNKV GPHSTQLQWV TGPWLACSRT CDTGWHTRTV QCQDGNRKLKLA KGCLLSQRPS AFKQCLLKKC
Source	Mammalian cell
Target Names	Adamts5
Protein Names	Recommended name: A disintegrin and metalloproteinase with thrombospondin motifs 5 Short name= ADAM-TS 5 Short name= ADAM-TS5 Short name= ADAMTS-5 EC= 3.4.24.- Alternative name(s): ADMP-2 Aggrecanase-2 Implantin
Expression Region	262-930
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein



Target Details

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 enzyme encoded by this gene contains two C-terminal TS motifs and functions as aggrecanase to cleave aggrecan, a major proteoglycan of cartilage.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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