

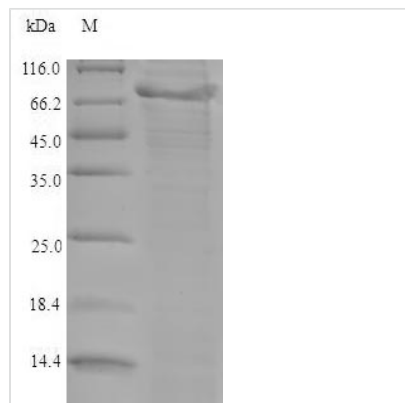


Recombinant Mouse A disintegrin and metalloproteinase with thrombospondin motifs 5 (Adamts5)

Product Code	CSB-EP889914MO
Relevance	Cleaves aggrecan, a cartilage proteoglycan, and may be involved in its turnover. May play an important role in the destruction of aggrecan in arthritic diseases. May play a role in proteolytic processing mostly during the peri-implantation period.
Abbreviation	Recombinant Mouse Adamts5 protein
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
Alias	Short name: ADAM-TS 5 Short name: ADAM-TS5 Short name: ADAMTS-5 Alternative name(s): ADMP-2 Aggrecanase-2 Implantin
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	SISRARQVELLLVADSSMARMYGRGLQHLYLLTLASIANRLYSHASIENHIRLAVV KVVVLTDKDTSLVSKNAATTLKNFCKWQHQNQLGDDHEEHYDAAILFTRED LCGHHSCDTLGMADVGTICSPERSCAVIEDDGLHAAFTVAHEIGHLLGLSHDD SKFCEENFGTTEDKRLMSSILTSIDASKPWSKCTSATITEFLDDGHGNCLLDLP RKQILGPEELPGQTYDATQQCNLTFGPEYSVCPGMDVCARLWCAVVRQGM VCLTKKLPAVEGTPCGKGRVCLQGKCVDKTKKKYYSTSSHGNWGSWGPWG QCSRSCGGGVQFAYRHCNNPAPRNSGRYCTGKRAIYRSCSVTPCPPNGKSF RHEQCEAKNGYQSDAKGVKTFVEWVPKYAGVLPADVCKLTCRAKGTGYVYV FSPKVTGTECRPYNSVSVRGRVTRTGCDCGIIIGSKLQYDKCGVCGGDNSSC TKIIGTFNKKSKGYTDVVRIPGATHIKVRQFKAKDQTRFTAYLALKKKKTGEYLI NGKYMISTSETIIDINGTVMNYSWWSHRDDFLHGMGYSATKEILIVQILATDPTK ALDVRYSFVPPKTTQKVNVSISHGSNKVGPSTQLQWVTGPWLACSRCTCDT GWHTRTVQCQDGNRKLAKGCLLSQRPSAFKQCLLKKC
Research Area	Signal Transduction
Source	E.coli
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	262-930aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	77.8kDa
Protein Length	Full Length of Mature Protein

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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	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.