

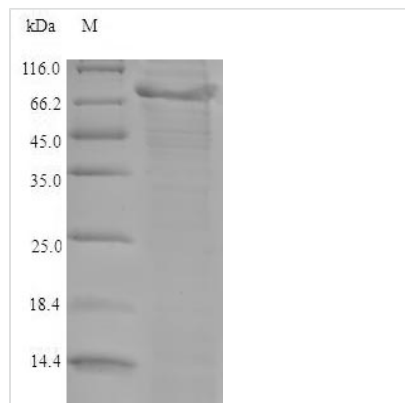


Recombinant Mouse A disintegrin and metalloproteinase with thrombospondin motifs 5 (Adamts5)

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| 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 | Greater than 90% as determined by SDS-PAGE. |
| Sequence | SISRARQVELLLVADSSMARMYGRGLQHLLTLASIANRLYSHASIENHIRLAVV KVVVLTDKDTSLVSKNAATTLKNFCKWQHQNQLGDDHEEHYDAAILFTRED LCGHHSCDTLGMADVGTICSPERSCAVIEDDGLHAAFTVAHEIGHLLGLSHDD SKFCEENFGTTEDKRLMSSILTSIDASKPWSKCTSATITEFLDDGHGNCLLDLP RKQILGPEELPGQTYDATQQCNLTFGPEYSVCPGMDVCARLWCAVVRQQQM VCLTKKLPAVEGTPCGKGRVCLQGKCVDKTKKKYYSTSSHGNWGSWGPWG QCSRSCGGGVQFAYRHCNNPAPRNSGRYCTGKRAIYRSCSVTPCPPNGKSF RHEQCEAKNGYQSDAKGVKTFVEWVPKYAGVLPADVCKLTCRAKGTGYVVV FSPKVTGTECRPYSNSVCVRGRCVRTGCDGIIGSKLQYDKCGVCGGDNSSC TKIIGTFNKKSKGYTDVVRIPGATHIKVRQFKAQDQTRFTAYLALKKKTGEYLI NGKYMISTSETIIDINGTVMNYSGWSHRDDFLHGMGYSATKEILIVQILATDPTK 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 |



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| 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.

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| 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. |