

Recombinant Mouse ADAMTS5 Protein (262-930 aa), His-tagged

Cat. No. ADAMTS5-2037M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ADAMTS5 Protein (262-930 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	E.coli
ProteinLength	262-930 aa
Description	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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	77.8 kDa
AA Sequence	SISRARQVELLLVADSSMARMYGRGLQHYLLTLASIANRLYSHASIENHIRLAVVKVV VLTDKDTSLEVSKNAATTLKNFCKWQHQNQLGDDHEEHYDAAILFTREDLCGHHS CDTLGMADVGTICSPERSCAVIEDDGLHAAFTVAHEIGHLLGLSHDDSKFCEENFGT TEDKRLMSSILTSIDASKPWSKCTSATITEFLDDGHGNCLLDLPRKQILGPEELPGQT YDATQQCNLTFGPEYSVCPGMDVCAWLWCAVVRQGMVCLTKKLPVEGTPCGK GRVCLQGKCVDKTKKKYYSTSSHGNWGSWGPWGQCSRSCGGGVQFAYRHCNNP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

APRNSGRYCTGKRAIYRSCSVTPCPPNGKSFRRHEQCEAKNGYQSDAKGVKTFVEW
 VPKYAGVLPADVCKLTCRAKGTGYVVVFPKVTGTECRPYSNSVCVRGRCVRTG
 CDGIIGSKLQYDKCGVCGGDNSSCTKIIGTFNKKSKGYTDVVRIPEGATHIKVRQFKA
 KDQTRFTAYLALKKKTGEYLINGKYMISTSETIIDINGTVMNYSGWSHRDDFLHGMGY
 SATKEILIVQILATDPTKALDVRYSFFVPPKTTQVNSVISHGSNKVGPSTQLQWVT
 GPWLACSRCTDTGWHTRTVQCQDGNRKLAKGCLLSQRPSAFKQCLLKCC

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name *Adamts5* a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2) [*Mus musculus*]

Official Symbol *ADAMTS5*

Synonyms ADAMTS5; ADMP-2; ADAMTS-5; ADAM-TS 5; implantin; aggrecanase-2; ASMP-2; ADAMTS1; ADAM-TS5; ADAMTS11; AI481094; 9530092O11Rik;

Gene ID 23794

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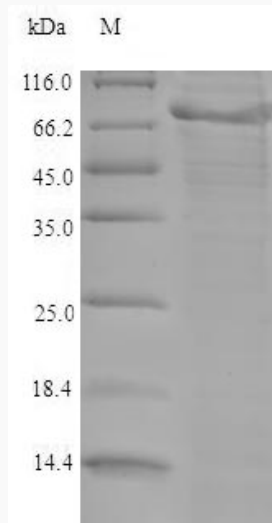
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mRNA Refseq [NM_011782](#)

Protein Refseq [NP_035912](#)

UniProt ID [Q9R001](#)



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

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