



Recombinant Human A disintegrin and metalloproteinase with thrombospondin motifs 4 (ADAMTS4)

Product Code	CSB-EP001311HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75173
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	FASLSRFV ETLVVADDKM AAFHGAGLKR YLLTVMAAAA KAFKHPSIRN PVSLVVTRLV ILGSGEEGPQ VGPSAAQTLR SFCAWQRGLN TPEDSDPDHF DTAILFTRQD LCGVSTCDTL GMADVGTVCD PARSCAIVED DGLQSAFTAA HELGHVFNML HDNSKPCISL NGPLSTSRHV MAPVMAHVDP EEPWSPCSAR FITDFLDNGY GHCLLDKPEA PLHLPVTFPG KDYDADRQCQ LTFGPDSRHC PQLPPCAAL WCSGHLNGHA MCQTKHSPA DGTPCGPAQA CMGGRCLHMD QLQDFNIPQA GGWGPWGPWG DCSRTC GGGV QFSSRDCTRP VPRNGGKYCE GRRTRFRSCN TEDCPTGSAL TFREEQCAAY NHRTDLFKSF PGPMDWVPRY TGVAPQDQCK LTCQAQALGY YYVLEPRVVD GTPCSPDSSS VCVQGRCIHA GCDRIIGSKK KFDKCMVCGG DGSGCSKQSG SFRKFRYGYN NVVTIPAGAT HILVRQQGNP GHRSIYLALK LPDGSYALNG EYTLMPSPTD VVLPGAVSLR YSGATAASET LSGHGPLAQP LTLQVLVAGN PQDTRLRYSF FVPRPTPSTP RPTPQDWLHR RAQILEILRR RPWAGRK
Source	E.coli
Target Names	ADAMTS4
Protein Names	Recommended name: A disintegrin and metalloproteinase with thrombospondin motifs 4 Short name= ADAM-TS 4 Short name= ADAM-TS4 Short name= ADAMTS-4 EC= 3.4.24.82 Alternative name(s): ADMP-1 Aggrecanase-1
Expression Region	213-837
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 lacks a C-terminal TS motif. It is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The cleavage of aggrecan and brevican suggests key roles of this enzyme in arthritic disease and in the central nervous system, potentially, in the progression of glioma.

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.