



# Recombinant Human Kunitz-type protease inhibitor 1 (SPINT1)

<b>Product Code</b>	CSB-MP022584HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O43278
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GPPPA PPGLPAGADC LNSFTAGVPG FVLDTNASVS NGATFLESPT VRRGWDCVRA CCTTQNCNLA LVELQPDRGE DAIAACFLIN CLYEQNFVCK FAPREGFINY LTREVYRSYR QLRTQGFSGS GIPKAWAGID LKVQPQEPLV LKDVENTDWR LLRGD TDVRV ERKDPNQVEL WGLKEGTLYF QLTVTSSDHP EDTANVTVTV LSTKQTEDYC LASNKVGRRCR GSFPRWYYDP TEQICKSFVY GGCLGNKNNY LREEECILAC RGVQGGPLRG SSGAQATFPQ GPSMERRHPV CSGTCQPTQF RCSNGCCIDS FLECD DTPNC PDASDEAAACE KYTSGFDELQ RIHFPSDKGH CVDLPDTGLC KESIPRWYYN PFSEHCARFT YGGCYGNKNN FEEEQQCLES CRGISKKDV FGLRREIPIPS TGSVEMAVAV FLVICIVVVV AILGYCFFKN QRKDFHGH HHPPTPASST VSTTEDTEHL VYNHTTRPL
<b>Source</b>	Mammalian cell
<b>Target Names</b>	SPINT1
<b>Protein Names</b>	Recommended name: Kunitz-type protease inhibitor 1 Alternative name(s): Hepatocyte growth factor activator inhibitor type 1 Short name= HAI-1
<b>Expression Region</b>	36-529
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein is a member of the Kunitz family of serine protease inhibitors. The protein is a potent inhibitor specific for HGF activator and is thought to be involved in the regulation of the proteolytic activation of HGF in injured tissues. Alternative splicing results in multiple variants encoding different isoforms.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.