



Recombinant Sheep Keratin, type I cuticular Ha5 (KRT35)

Product Code	CSB-BP012551SH
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	B0LKP1
Product Type	Recombinant Protein
Immunogen Species	Ovis aries (Sheep)
Purity	>85% (SDS-PAGE)
Sequence	MASKCLKASF SSGSLKVPGG AGGGSARVST IFSSSSCKLS GLSRGPRSFS ACSVGLGKSS CRAASCLPAL CLPSGGFATS YGMAGGWFGE GILTGNEKET MQFLNDRLAS YLEKVRQLER ENAELESRIR DWCEQQVPYL CPDYQSYFQT IEELQKKILC TKSENARLVV QIDNAKLAAD DFRTKYETEV TMRQLVESDM NGLRRILDDL TLCKADLEAQ VESLKEELLK LKKNHEEEVN SLRCQLGDRL NVEVDAAPPV DLNRVLNEMR CQYETLVENN RREAEDWFNT QTEELNQQVV SSSEQLQSYQ AEIILRRTV NALEIELQAQ HSMRDALEST LAETEARYSS QLAQMQLIG NVESQLAEIR CDLERQNQEY QVLLDVRARL ECEISTYRGL LDESDCKLPC NPCAPDHSPS KSCLPCLPAA SCGPGTAHTT CSPRPICVSC PGSRF
Source	Baculovirus
Target Names	KRT35
Protein Names	Recommended name: Keratin, type I cuticular Ha5 Alternative name(s): Keratin-35 Short name= K35
Expression Region	1-455
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 protein
Target Details	This protein is a member of the keratin gene family. This type I hair keratin is an acidic protein which heterodimerizes with type II keratins to form hair and nails. The type I hair keratins are clustered in a region of chromosome 17q12-q21 and have the same direction of transcription.
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.