Recombinant Human Keratin, type II cuticular Hb5 (KRT85)

Product Code	CSB-BP012580HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P78386
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSCRSYRISS GCGVTRNFSS CSAVAPKTGN RCCISAAPYR GVSCYRGLTG FGSRSLCNLG SCGPRIAVGG FRAGSCGRSF GYRSGGVCGP SPPCITTVSV NESLLTPLNL EIDPNAQCVK QEEKEQIKSL NSRFAAFIDK VRFLEQQNKL LETKWQFYQN QRCCESNLEP LFSGYIETLR REAECVEADS GRLASELNHV QEVLEGYKKK YEEEVALRAT AENEFVVLKK DVDCAYLRKS DLEANVEALV EESSFLRRLY EEEIRVLQAH ISDTSVIVKM DNSRDLNMDC IIAEIKAQYD DVASRSRAEA ESWYRSKCEE MKATVIRHGE TLRRTKEEIN ELNRMIQRLT AEIENAKCQR AKLEAAVAEA EQQGEAALSD ARCKLAELEG ALQKAKQDMA CLLKEYQEVM NSKLGLDIEI ATYRRLLEGE EHRLCEGVGS VNVCVSSSRG GVSCGGLSYS TTPGRQITSG PSAIGGSITV VAPDSCAPCQ PRSSSFSCGS SRSVRFA
Source	Baculovirus
Target Names	KRT85
Protein Names	Recommended name: Keratin, type II cuticular Hb5 Alternative name(s): Hair keratin K2.12 Keratin-85 Short name= K85 Type II hair keratin Hb5 Type-II keratin Kb25
Expression Region	1-507
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. As a type II hair keratin, it is a basic protein which heterodimerizes with type I keratins to form hair and nails. The type II hair keratins are clustered in a region of chromosome 12q13 and are grouped into two distinct subfamilies based on structure similarity. One subfamily, consisting of KRTHB1, KRTHB3, and KRTHB6, is highly related. The other less-related subfamily includes KRTHB2, KRTHB4, and KRTHB5.
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.