Recombinant Human Keratin, type I cuticular Ha3-I (KRT33A)

Product Code	CSB-YP012548HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O76009
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSYSCGLPSL SCRTSCSSRP CVPPSCHGCT LPGACNIPAN VSNCNWFCEG SFNGSEKETM QFLNDRLASY LEKVRQLERD NAELENLIRE RSQQQEPLVC ASYQSYFKTI EELQQKILCS KSENARLVVQ IDNAKLASDD FRTKYETELS LRQLVESDIN GLRRILDELT LCRSDLEAQV ESLKEELLCL KQNHEQEVNT LRCQLGDRLN VEVDAAPTVD LNQVLNETRS QYEALVETNR REVEQWFATQ TEELNKQVVS SSEQLQSYQA EIIELRRTVN ALEIELQAQH NLRDSLENTL TESEARYSSQ LSQVQRLITN VESQLAEIRS DLERQNQEYQ VLLDVRARLE CEINTYRSLL ESEDCKLPSN PCATTNACDK STGPCISNPC GLRARCGPCN TFGY
Source	Yeast
Target Names	KRT33A
Protein Names	Recommended name: Keratin, type I cuticular Ha3-I Alternative name(s): Hair keratin, type I Ha3-I Keratin-33A Short name= K33A
Expression Region	1-404
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. It is one of the type I hair keratin genes which are clustered in a region of chromosome 17q12-q21 and have the same direction of transcription. As a type I hair keratin, it is an acidic protein which heterodimerizes with type II keratins to form hair and nails. There are two isoforms of this protein, encoded by two separate genes, KRTHA3A and KRTHA3B.
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.