



Recombinant Human Keratin, type I cuticular Ha1 (KRT31)

Product Code	CSB-MP614888HU
Abbreviation	KRT31
Storage	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.
Uniprot No.	Q15323
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MPYNFCLPSL SCRTSCSSRP CVPPSCHSCT LPGACNIPAN VSNCNWFCEG SFNGSEKETM QFLNDRASY LEKVRQLERD NAELENLIRE RSQQQEPLLC PSYQSYFKTI EELQQKILCT KSENARLVVQ IDNAKLAADD FRTKYQTELS LRQLVESDIN GLRRILDELT LCKSDLEAQQV ESLKEELLCL KSNHEQEVNT LRCQLGDRLN VEVDAAPTVD LNRVLNETRS QYEALVETNR REVEQWFTTQ TEELNKQVVS SSEQLQSYQA EIIELRRTVN ALEIELQAQH NLRDSLENTL TESEARYSSQ LSQVQSLITN VESQLAEIRS DLERQNQEYQ VLLDVRARLE CEINTYRSLLE SEDCNLPSN PCATTNACSK PIGPCLSNPC TSCVPPAPCT PCAPRPRCGP CNSFVR
Source	Mammalian cell
Target Names	KRT31
Protein Names	Recommended name: Keratin, type I cuticular Ha1 Alternative name(s): Hair keratin, type I Ha1 Keratin-31 Short name= K31
Expression Region	1-416
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 I hair keratin, it 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.

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