Recombinant Human Keratin, type I cytoskeletal 16 (KRT16)

Product Code	CSB-EP012515HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P08779
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MTTCSRQFTS SSSMKGSCGI GGGIGGGSSR ISSVLAGGSC RAPSTYGGGL SVSSRFSSGG ACGLGGGYGG GFSSSSSFGS GFGGGYGGGL GAGFGGGLGA GFGGGFAGGD GLLVGSEKVT MQNLNDRLAS YLDKVRALEE ANADLEVKIR DWYQRQRPSE IKDYSPYFKT IEDLRNKIIA ATIENAQPIL QIDNARLAAD DFRTKYEHEL ALRQTVEADV NGLRRVLDEL TLARTDLEMQ IEGLKEELAY LRKNHEEEML ALRGQTGGDV NVEMDAAPGV DLSRILNEMR DQYEQMAEKN RRDAETWFLS KTEELNKEVA SNSELVQSSR SEVTELRRVL QGLEIELQSQ LSMKASLENS LEETKGRYCM QLSQIQGLIG SVEEQLAQLR CEMEQQSQEY QILLDVKTRL EQEIATYRRL LEGEDAHLSS QQASGQSYSS REVFTSSSSS SSRQTRPILK EQSSSSFSQG QSS
Source	E.coli
Target Names	KRT16
Protein Names	Recommended name: Keratin, type I cytoskeletal 16 Alternative name(s): Cytokeratin-16 Short name= CK-16 Keratin-16 Short name= K16
Expression Region	1-473
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. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in this gene are associated with type 1 pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar verrucous nevus.
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.