



# Recombinant Human Keratin, type I cytoskeletal 16 (KRT16)

<b>Product Code</b>	CSB-EP012515HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P08779
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>MTTC SRQFTS SSSMKGSCGI GGGIGGGSSR ISSVLAGGSC RAPSTYGGGL  SVSSRFSSGG ACGLGGGYGG GFSSSSFFGS GFGGGYGGGL  GAGFGGGLGA GFGGGFAGGD GLLVGSEKVT MQNLNDRLAS  YLDKVRAL EE ANADLEV KIR DWYQRQRPSE IKDYS PYFKT IEDLRNKIIA  ATIENAQPIL QIDNARLAAD DFRTKYEHEL ALRQTVEADV NGLRRVLDEL  TLARTDLEMQ IEGLKEELAY LRKNHEEEML ALRGQTGGDV NVEMDAAPGV  DLSRILNEMR DQYEQMAEKN RRDAETWFLS KTEELNKEVA SSELVQSSR  SEVTELRRLV QGLEIELQSQ LSMKASLENS LEETKGRYCM QLSQIQGLIG  SVEEQLAQLR CEMEQQSQEY QILLDVKTRL EQEIATYRRL LEGED AHLSS  QQASGQSYSS REVFTSSSSS SSRQTRPILK EQSSSSFSQG QSS</p>
<b>Source</b>	E.coli
<b>Target Names</b>	KRT16
<b>Protein Names</b>	Recommended name: Keratin, type I cytoskeletal 16 Alternative name(s): Cytokeratin-16 Short name= CK-16 Keratin-16 Short name= K16
<b>Expression Region</b>	1-473
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.

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### 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.