



Recombinant Human Keratin, type II cytoskeletal 5 (KRT5)

Product Code	CSB-EP012560HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P13647
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSRQSSVSFR SGGSRSFSTA SAITPSVSRT SFTSVSRSGG GGGGGFGRVS LAGACGVGGY GSRSLYNLGG SKRISISTSG GSFRNRFAG AGGGYGFGGG AGSGFGFGGG AGGGFGLGGG AGFGGGFGGP GFPVCPGGI QEVTVNQSLT TPLNLQIDPS IQRVRTEERE QIKTLNNKFA SFIDKVRFLE QQNKVLDTKW TLLQEQTGT VRQNLPLFE QYINNLRRQL DSIVGERGRL DSELRNMQDL VEDFKNKYED EINKRTTAEN EFVMLKKDVD AAYMKNKVELE AKVDALMDEI NFMKMFDAE LSQMQTHVSD TSVLSMDNN RNLDLDSIIA EVKAQYEEIA NRSRTEAESW YQTKYEELQQ TAGRHGDDL RNTKHEISEMN RMIQRLRAEI DNVKKQCANL QNAIADAEQR GELALKDARN KLAELEEALQ KAKQDMARLL REYQELMNTK LALDVEIATY RKLLEGECCR LSGEGVGPVN ISVVTSSVSS GYGSGSGYGG GLGGGLGGGL GGGLAGGSSG SYYSSSSGGV GLGGGLSVGG SGFSASSGRG LGVGFSGGGG SSSSVKFVST TSSSRKSFKS
Source	E.coli
Target Names	KRT5
Protein Names	Recommended name: Keratin, type II cytoskeletal 5 Alternative name(s): 58 kDa cyokeratin Cytokeratin-5 Short name= CK-5 Keratin-5 Short name= K5 Type-II keratin Kb5
Expression Region	1-590
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 type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.



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.