



Recombinant Human Keratin, type II cytoskeletal 3 (KRT3)

Product Code	CSB-EP012545HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P12035
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSRQASKTSG GGSQGFSGRS AVVSGSSRMS CVAHSGGAGG GAYGFRSGAG GFGSRSLYNL GGNKSISISV AAGGSRAGGF GGGRSSCAFA GGYGGGFGSG YGGGFGGGFG GGRGMGGGFG GAGGFGGAGG FGGAGGFGGP GGFGGSGGFG GPGSLGSPGG FPGGGFPGGI QEV TINQSL L QPLNVEIDPQ IGQVKAQERE QIKTLNNKFA SFIDKVRFLE QQNKVLETKW NLLQQQGTSS ISGTNNLEPL FENHINYLR S YLDNILGERG RLDSELKNME DLVEDFKKKY EDEINKRTAA ENEFVTLKGD VDSAYMKNVE LQAKVDALID EIDFLRTL YD AELSQM QSHI SDTSVVL SMD NNRLDLDSI IAEVRAQYED IAQRSKAEAE ALYQTKLGEL QTTAGRHGDD LRNTKSEIIE LNRMIQRLRA EIEGVKKQNA NLQTAIAEAE QHGEMALKDA NAKLQELQAA LQAKDDLAR LLRDYQELMN VKLALDVEIA TYRKLLEGEE YRMSGECPSA VSISVVSSST TSASAGGYGG GYGGGMGGGL GGGFSAGGGS GSFGFRGGGG GIGGGFGGGS SGFSGGSGFG SISGARYGVS GGGFSSASNR GGSIKFSQSS QSSQRYSR
Source	E.coli
Target Names	KRT3
Protein Names	Recommended name: Keratin, type II cytoskeletal 3 Alternative name(s): 65 kDa cytokeratin Cytokeratin-3 Short name= CK-3 Keratin-3 Short name= K3 Type-II keratin Kb3
Expression Region	1-628
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 corneal epithelium with family member KRT12 and mutations in these genes have been associated with Meesmann s Corneal Dystrophy. 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.