



Recombinant Human Keratin, type II cytoskeletal 1 (KRT1)

Product Code	CSB-MP012503HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P04264
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SRQFSSRSG YRSGGGFSSG SAGIINYQRR TTSSSTRRSG GGGGRFSSCG GGGGSFGAGG GFGSRSLVNL GGSKISISV ARGGGRGSGF GGGYGGGGFG GGGFGGGGFG GGGIGGGGFG GFGSGGGGFG GGGFGGGGYG GYGPPVCPG GIQEVINQS LLQPLNVEID PEIQKVSRE REIKSLNNQ FASFDKVRF LEQQNQVLQT KWELLQVDT STRTHNLEPY FESFINLRR RVDQLKSDQS RLDSELKNMQ DMVEDYRNKY EDEINKRTNA ENEFVTIKKD VDGAYMTKVD LQAKLDNLQQ EIDFLTALYQ AELSQMGTQI SETNVILSMD NNRSLLDSI IAEVKAQYED IAQKSKAEAE SLYQSKYEEL QITAGRHGDS VRNSKIEISE LNRVIQRLRS EIDNVKKQIS NLQQSISDAE QRGENALKDA KNKLNLEDA LQAKEDLAR LLRDYQELMN TKLALDLEIA TYRTLLEGEE SRMSGECAPN VSVSVSTSHT TISGGGSRGG GGGGYGSGGS SYGSGGGSYG SGGGGGGGRG SYGSGGSSYG SGGGSYGSGG GGGGHGSYGS GSSSGGYRGG SGGGGGGSSG GRGSGGGSSG GSIGGRGSSS GGVKSSGGSS SVKVFSTTYS GVTR
Source	Mammalian cell
Target Names	KRT1
Protein Names	Recommended name: Keratin, type II cytoskeletal 1 Alternative name(s): 67 kDa cyokeratin Cytokeratin-1 Short name= CK-1 Hair alpha protein Keratin-1 Short name= K1 Type-II keratin Kb1
Expression Region	2-644
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 of Mature 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 spinous and granular layers of the epidermis with family member KRT10 and mutations in these genes have been associated with bullous congenital ichthyosiform erythroderma. 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.