



Recombinant Human Keratin, type II cuticular Hb2 (KRT82)

Product Code	CSB-EP889103HU
Abbreviation	KRT82
Storage	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.
Uniprot No.	Q9NSB4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSYHSFQPGS RCGSQSFSSY SAVMPRMVTH YAVSKGPCR GGGRGLRALG CLGSRSLCNV GFGRPRVASR CGGTLPGFGY RLGATCGPSA CITPVTINES LLVPLALEID PTVQRVKRDE KEQIKCLNNR FASFINKVRF LEQKNKLET KWNFMQQRC CQTNIEPIFE GYISALRRQL DCVSGDRVRL ESELCSLQAA LEGYKKKYEE ELSLRPCVEN EFVALKKDVD TAFMKADLE TNAEALVQEI DFLKSLYEEE ICLLQSQISE TSVIVKMDNS RELDVDGIIA EIKAQYDDIA SRSKAEAEAW YQCRYEELRV TAGNHCDNLR NRKNEILEMN KLIQRLQQET ENVKAQRCKL EGAIAEAEQQ GEAALNDAK KLAGLEEALQ KAKQDMACLL KEYQEVMSK LGLDIEIATY RRLLEGEHR LCEGIGPVNI SVSSSKGAFL YEPCGVSTPV LSTGVLRNSG GCSIVGTGEL YVPCPEQGLL SCGSGRKSSM TLGAGGSSPS HKH
Source	E.coli
Target Names	KRT82
Protein Names	Recommended name: Keratin, type II cuticular Hb2 Alternative name(s): Keratin-82 Short name= K82 Type II hair keratin Hb2 Type-II keratin Kb22
Expression Region	1-513
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. As a type II hair keratin, it is a basic protein which heterodimerizes with type I keratins to form hair and nails. The type II hair keratins are clustered in a region of chromosome 12q13 and are grouped into two distinct subfamilies based on structure similarity. One subfamily, consisting of KRTHB1, KRTHB3, and KRTHB6, is highly related. The other less-related subfamily includes KRTHB2, KRTHB4, and KRTHB5. All hair keratins are expressed in the hair follicle; this keratin appears to be a hair



cuticle-specific keratin.

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

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