



Recombinant Human Keratin, type II cuticular Hb4 (KRT84)

Product Code	CSB-EP868311HU
Abbreviation	KRT84
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.	Q9NSB2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSCRSYRVSS GHRVGNFSSC SAMTPQNLNR FRANSVSCWS GPGFRGLGSF GRSRVITFGS YSPRIAAVGS RPIHCGVRFV AGCGMGFGDG RGVGLGPRAD SCVGLGFGAG SGIGYGFGGP GFGYRVGGVG VPAAPSITAV TVNKSLLTPL NLEIDPNAQR VKKDEKEQIK TLNNKFASFI DKVRFLEQQN KLETKWSFL QEQKCIRSNL EPLFESYITN LRRQLEVLVS DQARLQAERN HLQDVLEGFK KKYEEEVVCRA ANAENEFVAL KKDVDAAFMM KSDLEANVDT LTQEIDFLKT LYMEEIQLLQ SHISETSVIV KMDNSRDNL DGIIAEVKAQ YEEVARRSRA DAEAWYQTKY EEMQVTAGQH CDNLRNIRNE INELTRLIQR LKAIEIEHAKA QRAKLEAAVA EAEQQGEATL SDAKCKLADL ECALQQAKQD MARQLCEYQE LMNAKLGLDI EIATYRRLE GEESRLCEGV GPVNISVSSS RGGLVCGPEP LVAGSTLSRG GVTFSGSSSV CATSGVLASC GPSLGGARVA PATGDLLSTG TRSGSMLISE ACVPSVPCPL PTQGGFSSCS GGRSSSVRFV STTTSCRTKY
Source	E.coli
Target Names	KRT84
Protein Names	Recommended name: Keratin, type II cuticular Hb4 Alternative name(s): Keratin-84 Short name= K84 Type II hair keratin Hb4 Type-II keratin Kb24
Expression Region	1-600
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 hair keratin is contained primarily in the filiform tongue papilla, among other hair keratins.

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.