



Recombinant Human Keratin, type I cuticular Ha4 (KRT34)

Product Code	CSB-EP012550HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O76011
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p> MLYAKPPPTI NGIKGLQRKE RLKPAHIHLQ QLTCFSITCS STMSYSCCLP SLGCRTSCSS RPCVPPSCHG YTLPGACNIP ANVSNCNWFC EGSFNGSEKE TMQFLNDRLA SYLEKVRQLE RDNAELEKLI QERSQQQEPL LCPSYQSYFK TIEELQQKIL CAKAENARLV VNIDNAKLAS DDFRSKYQTE QSLRLLVESD INSIRRILDE LTLCKSDLES QVESLREELI CLKKNHEEEV NTLRSQLGDR LNVEVDTAPT VDLNQVLNET RSQYEALVEI NRREVEQWFA TQTEELNKQV VSSSEQLQSC QAEIHELRRV VNALEIELQA QHNLRDLEN TLTESEAHYS SQLSQVQSLI TNVESQLAEI RCDLERQNQE YQVLLDVRAR LECEINTYRS LLESEDCKLP CNPCATTNAS GNSCGPCGTS QKGCCN </p>
Source	E.coli
Target Names	KRT34
Protein Names	Recommended name: Keratin, type I cuticular Ha4 Alternative name(s): Hair keratin, type I Ha4 Keratin-34 Short name= K34
Expression Region	1-436
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 I hair keratin, it is an acidic protein which heterodimerizes with type II keratins to form hair and nails. The type I hair keratins are clustered in a region of chromosome 17q12-q21 and have the same direction of transcription.
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.