



Recombinant Human Keratin, type I cuticular Ha7 (KRT37)

Product Code	CSB-EP012553HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O76014
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	<p>MTSFYSTSSC PLGCTMAPGA RNVFVSPIDV GCQPVAEANA ASMCLLANVA HANRVRVGST PLGRPSLCLP PTSHTACPLP GTCHIPGNIG ICGAYGKNTL NGHEKETMKF LNDRLANYLE KVRQLEQENA ELETLLERS KCHESTVCPD YQSYFRTIEE LQQKILCSKA ENARLIVQID NAKLAADDFR IKLESERSLH QLVEADKCGT QKLLDDATLA KADLEAQQES LKEEQLSLKS NHEQEVKILR SQLGKGFRIE LDIEPTIDLN RVLGEMRAQY EAMVETNHQD VEQWFQAQSE GISLQAMSCS EELQCCQSEI LELRCTVNAL EVERQAQHTL KDCLQNSLCE AEDRYGTELA QMQSLISNLE EQLSEIRADL ERQNQEYQVL LDVKARLENE IATYRNLLS EDCKLPCNPC STPASCTSCP SCGPVTGGSP SGHGASMGR</p>
Source	E.coli
Target Names	KRT37
Protein Names	Recommended name: Keratin, type I cuticular Ha7 Alternative name(s): Hair keratin, type I Ha7 Keratin-37 Short name= K37
Expression Region	1-449
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.