



# Recombinant Human Keratin, type I cuticular Ha7 (KRT37)

<b>Product Code</b>	CSB-MP012553HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O76014
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<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  SQLGEKFRIE LDIEPTIDLN RVLGEMRAQY EAMVETNHQD VEQWFQAQSE  GISLQAMSCS EELQCCQSEI LELRCTVNAL EVERQAQHTL KDCLQNSLCE  AEDRYGTELA QMQSLISNLE EQLSEIRADL ERQNQEYQVL LDVKARLENE  IATYRNLLS EDCKLPCNPC STPASCTSCP SCGPVTGGSP SGHGASMGR</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	KRT37
<b>Protein Names</b>	Recommended name: Keratin, type I cuticular Ha7 Alternative name(s): Hair keratin, type I Ha7 Keratin-37 Short name= K37
<b>Expression Region</b>	1-449
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.