



Recombinant Human Keratin, type I cytoskeletal 20 (KRT20)

Product Code	CSB-EP012536HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P35900
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDFSRRSFHR SLSSSLQAPV VSTVGMQRLG TTPSVYGGAG GRGIRISNSR HTVNYGSDLT GGGDLFVGNE KMAMQNLNDR LASYLEKVRT LEQSNSKLEV QIKQWYETNA PRAGRDYSAY YRQIEELRSQ IKDAQLQNR CVLQIDNAKL AAEDFRLKYE TERGIRLTVE ADLQGLNKVF DDLTLHKTDL EIQIEELNKD LALLKKEHQE EVDGLHKHLG NTVNVEVDAA PGLNLGVIMN EMRQKYEVMA QKNLQEAKEQ FERQTAVLQQ QVTVNTEELK GTEVQLTELR RTSQSLEIEL QSHLSMKESL EHTLEETKAR YSSQLANLQS LLSSLEAQLM QIRSNMERQN NEYHILLDIK TRLEQEIATY RRLLEGEDVK TTEYQLSTLE ERDIKKTRKI KTVVQEVVDG KVVSSSEVKEV EENI
Source	E.coli
Target Names	KRT20
Protein Names	Recommended name: Keratin, type I cytoskeletal 20 Alternative name(s): Cytokeratin-20 Short name= CK-20 Keratin-20 Short name= K20 Protein IT
Expression Region	1-424
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 family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This cytokeratin is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21.
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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.