



# Recombinant Human Keratin, type II cytoskeletal 7 (KRT7)

<b>Product Code</b>	CSB-MP012564HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P08729
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SIHFSSPVF TSRSAAFSGR GAQVRLSSAR PGGLGSSSLY GLGASRPRVA VRSAYGGPVG AGIREVTINQ SLLAPLRDA DPSLQVRQE ESEQIKTLNN KFASFDKVR FLEQQNKLE TKWTLLEQK SAKSSRLPDI FEAQIAGLRG QLEALQVDGG RLEAELRSMQ DVVEDFKNKY EDEINHRTAA ENEFVVLKKD VDAAYMSKVE LEAKVDALND EINFLRTLNE TELTELQSQI SDTSVVLSDM NSRSLDLGI IAEVKAQYEE MAKCSRAEAE AWYQTKFETL QAQAGKHGDD LRNTRNEISE MNRAIQRLQA EIDNIKNQRA KLEAAIAEAE ERGELALKDA RAKQEELEAA LQRGKQDMAR QLREYQELMS VKLALDIEIA TYRKLLEGEE SRLAGDGVGA VNISVMNSTG GSSSGGGIGL TLGGTMGSNA LSFSSSAGPG LLKAYSIRTA SASRRSARD
<b>Source</b>	Mammalian cell
<b>Target Names</b>	KRT7
<b>Protein Names</b>	Recommended name: Keratin, type II cytoskeletal 7 Alternative name(s): Cytokeratin-7 Short name= CK-7 Keratin-7 Short name= K7 Sarcolectin Type-II keratin Kb7
<b>Expression Region</b>	2-469
<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 of Mature Protein
<b>Target Details</b>	This protein is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described.
<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  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . Our default final concentration of glycerol is 50%. Customers could use it as reference.

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### 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  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ .