



# Recombinant Bovine Keratin, type I cytoskeletal 19 (KRT19)

<b>Product Code</b>	CSB-EP012534BO-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P08728
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MTSYSYRQSS STSSFSGMGG GSMRFGAGGA FRAPSIHGGS  GGRGVSVSSA RFVSSSSGGY GGGYGGALAT SDGLLAGNEK  LTMQNLNDRL ASYLEKVRAL EEANGDLEVK IRDWYQKQGP GPARDYSHYF  KTIEDLRDQI LGATIENSKI VLQIDNARLA ADDFRTKFET EQALRMSVEA  DINGLRRVLD ELTLARTDLE MQIEGLKEEL AYLKKNHEEE MSVLKGGVGG  QVSVEVDSAP GIDLAKILSD MRSQYEVIAE KNRKDAEAWF ISQTEELNRE  VAGHTEQLQI SKTEVTDLRR TLQGLEIELQ SQLSMKAAL E GTLAETEARF  GAQLAQIQAL ISGIEAQLSD VRADTERQNN EYQHLMDIKT RLEQEIATYR  NLLEGQDAYF NDLSLAKAL</p>
<b>Source</b>	E.coli
<b>Target Names</b>	KRT19
<b>Protein Names</b>	Recommended name: Keratin, type I cytoskeletal 19 Alternative name(s): Cytokeratin-19 Short name= CK-19 Keratin-19 Short name= K19
<b>Expression Region</b>	1-399
<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 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. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.
<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.

### 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.