



# Recombinant Bovine Keratin, type I cytoskeletal 14 (KRT14)

<b>Product Code</b>	CSB-EP012512BO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P05785
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SVEEQLAQLR CEMEQQNQEY KILLDVKTRL EQEIATYRRL LEGEDAHLSS SQFSSGSQSS RDVSSSRQVR TKVVDVHDGK VVFTHEQIVR TKN
<b>Source</b>	E.coli
<b>Target Names</b>	KRT14
<b>Protein Names</b>	Recommended name: Keratin, type I cytoskeletal 14 Alternative name(s): Cytokeratin VII Cytokeratin-14 Short name= CK-14 Cytokeratin-7 Keratin-14 Short name= K14
<b>Expression Region</b>	1-93
<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 gene encodes a member of the keratin family, the most diverse group of intermediate filaments. This gene product, a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex. At least one pseudogene has been identified at 17p12-p11.
<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.