



Recombinant Bovine Keratin, type I cytoskeletal 14 (KRT14)

Product Code	CSB-EP012512BO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P05785
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	SVEEQLAQLR CEMEQQNQEY KILLDVKTRL EQEIATYRRL LEGEDAHLSS SQFSSGSQSS RDVSSSRQVR TKVVDVHDGK VVFTHEQIVR TKN
Source	E.coli
Target Names	KRT14
Protein Names	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
Expression Region	1-93
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 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.
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.