



Recombinant Bovine Keratin, type I cytoskeletal 27 (KRT27)

Product Code	CSB-EP611292BO
Abbreviation	KRT27
Storage	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.
Uniprot No.	Q0P5J6
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	MSVRFSSASR RLGSCGGAGS VRLSGGGAGF GVGSTGSVPG FGSGFTCAFG GSSSAGSYSG GLGGGSASCT AFTGNEHGLL SGNEKVTMQN LNDRLASYLD NVRALEEANA DLEQKIKGWY EKFGPGSCRG LDHDYSRYFT VIDDLRNQII SATTSNANIV LQNDNARLTA DDFRLKFENE QALHQSV DAD VSSLRRVLDE LTLCRTDLEI QLETLSEELA YLKKNHHEEM KALQCAAGGN VNVEMNAAPG VDLTVLLNNM RAEYEALAEQ NRRDAEAWFN EKSASLQQQI SDDAGATTSR RNELTEMKRN LQTLEIELQS LLATKHSLEC SLTETEGNYC AQLAQIQAQI GALEEQLHQV RTETEGQKLE YEQLLDIKVH LEKEIETYCR LIDGEDGSCA KSKGYGGPGH QIKDPSKATV VKTIVEEIDP RGKVLSSRVH SVEEKSTKVN NVKSEQRVPS
Source	E.coli
Target Names	KRT27
Protein Names	Recommended name: Keratin, type I cytoskeletal 27 Alternative name(s): Cytokeratin-27 Short name= CK-27 Keratin-27 Short name= K27 Type I inner root sheath-specific keratin-K25irs3
Expression Region	1-460
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 type I (acidic) keratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. The type I keratin 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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.