



Recombinant Rat Keratin, type I cytoskeletal 14 (Krt14)

Product Code	CSB-YP740231RA
Abbreviation	Krt14
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.	Q6IFV1
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MATCSRQFTS SSSMKGSCGI GGGSSRMSSV LAGGSCRAPS TYGGMSRFSS AGAYAVGSGY GGGFSSSSFG GGFGGGIGGG IGGGLGGGIG GGFGGGIGGG FGGGIGSGFG GGLGDGLLVG SEKVTMQNLN DRLATYLDKV RALEEANS DL EVKIRDWYQR QRPTEIKDYS PYFKTIEDLK SKILAATVDN ANVLLQIDNA RLAADD FRTK FETEQLSRIN VESDINGLRR VLDELTLARA DLEMQIESLK EELAYLKKNH EEEMASMRGQ VGGDVNVEMD AAPGVDLSRI LNEMRDQYEK MAEKNRKDAE DWFFTKTEEL NREVATNSEL VQSGKSEISE LRRTMQNLEI ELQSQLSMKA SLENNLEETK GRYCMQLAQI QEMIGSVVEEQ LAQLRCEMEQ QNQEYKILLD VKTRLEQEIA TYRRLLGED AHLSSAQFSS SSQFSSGSQS SRDVTSTNRQ IRTKVMDVHD GKVVSTHEQV LRTKN
Source	Yeast
Target Names	Krt14
Protein Names	Recommended name: Keratin, type I cytoskeletal 14 Alternative name(s): Cytokeratin-14 Short name= CK-14 Keratin-14 Short name= K14 Type I keratin Ka14
Expression Region	1-485
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.