



Recombinant Rat Keratin, type I cytoskeletal 13 (Krt13)

Product Code	CSB-EP764234RA-B
Abbreviation	Krt13
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.	Q6IFV4
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MSCRFQSSSM SYGGGFGAGS CQLGGGRNIS TCSSRFVTGG SSGGYGGGMS CGFGGGAGGG YGGGFGGGFG GSCGGGFGGG FGDFGSVDGG LLSGNEKITM QNLNDRLASY LEKVRALAA NADLEVKIRD WHLKQSPTSP ERDYSAYYKT IEELRIKILE ATTDNNRIVL EIDNARLAAD DFRLKYENEL ALRQSVEADI NGLRRVLDL TLAKTDLEMQ IESLNEELAY LKKNHHEEMK EFSNQAVGQV NVEMDATPGI DLTRVLAEMR EQYEALAEKN RRDAEAWFQA KSAELNKEVS SNAAMIQTSK TEITELRRTL QGLEIELQSQ LSMKAGLEST LAETECRYAL QLQQIQALIS SIEAQLSELR SEMECQNQEY KMLLDIKTRL EQEIATYRSL LEGQDAKMTG FNTGGNSTTT SNTSTSPSTS GRPDFRKY
Source	E.coli
Target Names	Krt13
Protein Names	Recommended name: Keratin, type I cytoskeletal 13 Alternative name(s): Cytokeratin-13 Short name= CK-13 Keratin-13 Short name= K13 Type I keratin Ka13
Expression Region	1-438
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 protein is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in this gene and keratin 4 have been associated with the autosomal dominant disorder White



Sponge Nevus. The type I cytokeratins are clustered in a region of chromosome 17q21.2. Alternative splicing of this gene results in multiple transcript variants; however, not all variants have been described.

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

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