Recombinant Mouse Keratin, type I cytoskeletal 13 (Krt13)

Product Code	CSB-EP012511MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P08730
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MSCRFQSSSM SYGGGFGAGS CQLGGGRNIS SCSSRFVTGG SAGGYGGGMS CGFGGGAGGG FGGGFGGGFG GSYGGGFGGG FGDFGGVDGG LLSGNEKITM QNLNDRLASY LDKVRALEAA NADLEVKIRD WHLKQSPASP ERDYSAYYKT IEELRIKILE ATTDNNRIIL EIDNARLAAD DFRLKYENEL TLRQSVEADI NGLRRVLDEL TLAKTDLEMQ IESLNEELAY LKKNHEEEMK EFSNQVVGQV NVEMDATPGI DLTRVLAEMR EQYEALAEKN RRDAEEWFQT KSAELNKEVS SNAEMIQTSK TEITELRRTL QGLEIELQSQ LSMKAGLEST LAETECRYAL QLQQIQGLIS SIEAQLSELR SEMECQNQEY KMLLDIKTRL EQEIATYRSL LEGQDAKMTG FNSGGNNTTT SNGSPSSNSG RPDFRKY
Source	E.coli
Target Names	Krt13
Protein Names	Recommended name: Keratin, type I cytoskeletal 13 Alternative name(s): 47 kDa cytokeratin Cytokeratin-13 Short name= CK-13 Keratin-13 Short name= K13
Expression Region	1-437
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	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.