



Recombinant Rat Keratin, type I cytoskeletal 12 (Krt12)

Product Code	CSB-EP746921RA-B
Abbreviation	Krt12
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.	Q6IFW5
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MSLSVRTSAL SRRSSSQNGV AGRPWGASAS SVACGYGGTA SGFGVGCGL LSAASMFSS SGFSGGSTGC SPGLGTAYGG PLGAGVGGMG IGGSSGGSL CIFSGNDGGL LSGSEKTMQ NLNDRLASYL GKVRALEEAN AELENKIREW YETRRTGDSG SQSDYSKYYP LIEDLKNKII SASVSNAQLL LQIDNARLAA EDFRMKYENE LALRQTVEAD INGLRRVLDE LTLARADLEA QTENLTEELA YMKKNHEEEL QSFQAGGPG VNVEMDAAPG VDLTKSGELR KEINSNTEQL QSSKSEVTDL KRMVQNLEIE LQSQLAMKSS LEGLAETEG GYCCQLSQMQ QLIGSLEEQL QQLRADAERQ NEDHQRLG KARLEMEIET YRRLLEGDTQ GDGFDESLSL TVSKPQAPSV DSSKDPNKTR KIKTVVQEIV NGEVVSSQVQ ELEEAM
Source	E.coli
Target Names	Krt12
Protein Names	Recommended name: Keratin, type I cytoskeletal 12 Alternative name(s): Cytokeratin-12 Short name= CK-12 Keratin-12 Short name= K12 Type I keratin Ka12
Expression Region	1-456
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	KRT12 encodes the type I intermediate filament chain keratin 12, expressed in corneal epithelia. Mutations in this gene lead to Meesmann corneal dystrophy.
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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