



# Recombinant Rat Keratin, type I cytoskeletal 12 (Krt12)

<b>Product Code</b>	CSB-MP746921RA
<b>Abbreviation</b>	Krt12
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q6IFW5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	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
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Krt12
<b>Protein Names</b>	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
<b>Expression Region</b>	1-456
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	KRT12 encodes the type I intermediate filament chain keratin 12, expressed in corneal epithelia. Mutations in this gene lead to Meesmann corneal dystrophy.
<b>Reconstitution</b>	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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