



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

|                          |  |
|--------------------------|--|
| <b>Product Code</b>      | CSB-YP720658MO   |
| <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.<br>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>       | Q64291   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MLSLVCTSAL SRRSSSQNGA AGRPWGASAS SVAGGYGGSA<br>SGFGVGCGL FSAASMFGSS SGFSGGSAGC LPGLGSAYGG<br>PLRGGAGGMG IGMGIAGSSG GGLSLCIFSGN DGLLSGSEK ETMQNLNDRL<br>ASYLGKVRSL EEANAELENK IREWYETRRT RDAGSQSDYS KYYPPLIEDLK<br>NKIVSARVSN AQLLLQIDNA RLAAEDFRMK YENELALRQT VEADINGLRR<br>VLDELTLTRA DLEAQLETLT EELAYMKKNH EEELQSFQAG GPGEVNVEMD<br>AAPGVDLTKV LNEMRAQYEA MAEQNRKDAE AWFLEKSGEL RKEISSNTEQ<br>LQSSKSEVTD LKRMVQNLEI ELQSQLAMKS SLEGLAETE GGYCCQLSQV<br>QQLIGSLEEQ LQQVRADAER QNADHQRLLG VKARLEMEIE TYRRLLEGDS<br>QGDGFDESSS LSVSKPQTPS VDSSKDPNKT RKIKTVVQEI VNGEVVSSQV<br>QELEEEM |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | Krt12  |
| <b>Protein Names</b>     | Recommended name: Keratin, type I cytoskeletal 12 Alternative name(s):<br>Cytokeratin-12 Short name= CK-12 Keratin-12 Short name= K12  |
| <b>Expression Region</b> | 1-487  |
| <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**

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.