



# Recombinant Mouse Keratin, type I cytoskeletal 18 (Krt18)

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| <b>Product Code</b>      | CSB-EP012519MO   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P05784   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | SFTTRSTTF STNYRSLGSV RTPSQRV RPA SSAASVYAGA GGSGSRISVS RSVWGGSVGS AGLAGMGGIQ TEKETMQDLN DRLASYLDKV KSLETENRRL ESKIREHLEK KGPQGVRDWG HYFKIIEDLR AQIFANSVDN ARIVLQIDNA RLAADDFRVK YETELAMRQS VESDIHGLRK VVDDTNITRL QLETEIEALK EELLFMKKNH EEEVQGLEAQ IASSGLTVEV DAPKSQDLSK IMADIRAQYE ALAQKNREEL DKYWSQQIEE STTVVTTKSA EIRDAETTLT ELRRTLQTLT IDLDSMKNQN INLENSLGDV EARYKAQMEQ LNGVLLHLES ELAQTRAEGQ RQAQYEYALL NIKVKLEAEI ATYRRLLEDG EDFSLNDALD SSNSMQTVQK TTRKIVDGR VVSETNDTRV LRH |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | Krt18  |
| <b>Protein Names</b>     | Recommended name: Keratin, type I cytoskeletal 18 Alternative name(s): Cytokeratin endo B Short name= Keratin D Cytokeratin-18 Short name= CK-18 Keratin-18 Short name= K18  |
| <b>Expression Region</b> | 2-423  |
| <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 of Mature Protein  |
| <b>Target Details</b>    | KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene.   |
| <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  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . The shelf life of lyophilized form is 12 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ .