



# Recombinant Rat Keratin, type I cytoskeletal 20 (Krt20)

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| <b>Product Code</b>      | CSB-EP012536RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Uniprot No.</b>       | P25030                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>          | MDFSRRSFHR SLSSSSQGPA LSTSGSLYRK GTMQRLGLHS<br>VYGGWRHGTR ISVSKTTMSY GNHLSNGGDL FGGNEKLAMQ NLNDRLASYL<br>EKVRSLEQSN SKLEAQIKQW YETNAPSTIR DYSSYYAQIK ELQDQIKDAQ<br>IENARCVLQI DNAKLA AEDF RLFETERGM RITVEADLQG LSKVYDDLTL<br>QKTDLEIQIE ELNKDLALLK KEHQEEVEVL RRQLGNNVNV EVDAAPGLNL<br>GEIMNEMRQK YEILAQKNLQ EAKEQFERQT QTLEKQVTVN IEELRGTEVQ<br>VTELRRSYQT LEIELSQLS MKESLERTLE ETKARYASQL AAIQEMLSSL<br>EAQLMQIRSD TERQNQEYNI LLDIKTRLEQ EIATYRRILLE GEDIKTTEYQ<br>LNTLEAKDIK KTRKIKTVEV EVVDGKVVSS EVKEIEENI                                                            |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Target Names</b>      | Krt20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Names</b>     | Recommended name: Keratin, type I cytoskeletal 20 Alternative name(s):<br>Cytokeratin-20 Short name= CK-20 Cytokeratin-21 Short name= CK-21<br>Keratin-20 Short name= K20                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Expression Region</b> | 1-429                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <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>    | This protein is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This cytokeratin is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21. |
| <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.