



Recombinant Rat Keratin, type I cytoskeletal 40 (Krt40)

| | |
|--------------------------|--|
| Product Code | CSB-EP750324RA-B |
| Abbreviation | Krt40 |
| 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. | Q6IFW2 |
| Product Type | Recombinant Protein |
| Immunogen Species | Rattus norvegicus (Rat) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MASEGSPDCC SSEPYAGASS CTTASFCPTS TTYLPSTCAT SRCQTPSFLC RAHLPAGCLS PCYLTGGCNS PCLVGNCWC EEGTFNSNEK ETMQFLNDRL ASYLERVRSLEENNAELECR IREQCEPDAT PVCPTYQRYF DTIEELQQKI LCTKAENSRL AVQVDNCKLA ADDFRSKYES ELSLRQLVEN DISGLRGILG ELTLCKSDLE AHVESLKDDL LCLKKDHEEE VLLREQLGD RLNVELDTAP TVDLNKVLDE MRCQYERVLA NNRRDAEEWF AAQTEELNQQ QMSSAEQLQG CQTEMLELKR TANTLEIELQ AQQLTESLE CTVAETEAQY STQLAQMQL IDSVEHQLAE IRCDLERQNG EYKVLDTKA RLECEINTYR GLLEKEDSRL PCNPGSTASI SNSACEPCSA YVICTVENCC A |
| Source | E.coli |
| Target Names | Krt40 |
| Protein Names | Recommended name: Keratin, type I cytoskeletal 40 Alternative name(s): Cytokeratin-40 Short name= CK-40 Keratin-40 Short name= K40 Type I hair keratin Ka36 |
| Expression Region | 1-431 |
| 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 | This gene encodes a member of the type I (acidic) keratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. The type I keratin genes are clustered in a region of chromosome 17q12-q21. |
| 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

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.