



Recombinant Rat Paired box protein Pax-6 (Pax6)

| | |
|--------------------------|---|
| Product Code | CSB-BP017492RA |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P63016 |
| Product Type | Recombinant Protein |
| Immunogen Species | Rattus norvegicus (Rat) |
| Purity | >85% (SDS-PAGE) |
| Sequence | <p>MQNSHSGVNIQ LGGVFNNGRP LPDSTRQKIV ELAHSGARPC DISRILQVSN GCVSKILGRY YETGSIRPRA IGGSKPRVAT PEVVSIAQY KRECPSIFAW EIRDRLLESG VCTNDNIPSV SSINRVLRLN ASEKQQMGAD GMYDKLRMLN GQTGSWGTRP GWYPGTSVPG QPTQDGCQQQ EGQGENTNSI SSNGEDSDEA QMRLQLKRKL QRNRTSFTQE QIEALEKEFE RTHYPDVAFAR ERLAAKIDLP EARIQVWFSN RRAKWRREEK LRNQRQASN TPSHIPSS FSTSVYQPIP QPTTPVSSFT SGSMLGRTDT ALTNTYSALP PMPSTMAN LPMQPPVPSQ TSSYSCMLPT SPSVNGRSYD TYTPPHMQTH MNSQPMGTSG TTSTGLISPG VSPVQVPGS EPDMSQYWPR LQ</p> |
| Source | Baculovirus |
| Target Names | Pax6 |
| Protein Names | Recommended name: Paired box protein Pax-6 Alternative name(s): Oculorhombin |
| Expression Region | 1-422 |
| 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 paired box gene 6, one of many human homologs of the Drosophila melanogaster gene prd. In addition to the hallmark feature of this gene family, a conserved paired box domain, the encoded protein also contains a homeo box domain. Both domains are known to bind DNA, and function as regulators of gene transcription. This gene is expressed in the developing nervous system, and in developing eyes. Mutations in this gene are known to cause ocular disorders such as aniridia and Peter's anomaly. Alternatively spliced transcript variants encoding either the same or different isoform have been found for this gene. |
| 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.