



# Recombinant Rat Serine/threonine-protein kinase PLK1 (Plk1)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-EP726805RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Abbreviation</b>      | Plk1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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>       | Q62673                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Sequence</b>          | NAAAKAGKL ARAPADLGKG GVPGDAAPGA PGAAPLAKEI PEVLMDPRSR<br>RQYVRGRFLG KGGFAKCFEI SDSDTKEVFP GKIVPKSLLL KPHQKEKMSM<br>EISIHRS LAH QHVVG FHF GFF EDSDFV FVVL ELCRRRS LLE LHKRRKALTE<br>PEARYYLRQI VLGCQYLHRN QVIHRDLKLG NLFLNEDLEV KIGDFGLATK<br>VEYEGERKKT LCGTPNYIAP EVLSKKGHSF EVDVWSIGCI MYTLLVGKPP<br>FETSCLKETY LRIKKNEYSI PKHINPVAAS LIQKMLQ TDP TARPTIHELL<br>NDEFFTSGYI PARLPITCLT IPPRFSIAPS SLDPSNRKPL TVLNKGVENP<br>LPDRPREKEE PVVRETNEAI ECHLSDLLQQ LTSVNASKPS ERGLVRQEEA<br>EDPACIPIFW VSKWVDYSDK YGLGYQLCDN SVGVLFNDST RLILYNDGDS<br>LQYIERDGTE SYLTVSSHPN SLMKKITLLN YFRNYMSEHL LKAGANITPR<br>EGDELARLPY LRTWFRTRSA IILHLSNGTV QINFFQDHTK LILCPLMAAV<br>TYINEKRDFR TYRLSLLEEY GCKKELASRL RYARTMVDKL LSSRSACNRL<br>KAS |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Target Names</b>      | Plk1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Names</b>     | Recommended name: Serine/threonine-protein kinase PLK1 EC= 2.7.11.21<br>Alternative name(s): Polo-like kinase 1 Short name= PLK-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Expression Region</b> | 2-603                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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>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.