



# Recombinant Mouse Wee1-like protein kinase (Wee1)

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| <b>Product Code</b>      | CSB-MP026084MO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Uniprot No.</b>       | P47810                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen Species</b> | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Sequence</b>          | <p>MSFLSRQQPP PTRRVGAAYS LRQKLIFSPG SDCEEEEEEE EEGSGHSTGE</p> <p>DSAFQEPDSP LPSARSPAEA EAERRRRSPG AEPSSPGELE DDLLQGGGG</p> <p>GAQAAGGGAE GDSWEEEGFG SSSPVKSPST AYFLSSPFSP</p> <p>VRCGGPGDAS PQGCGAPRAM DDPCSPQPDY PSTPPHKTFR</p> <p>KLRLFDTPHT PKSLLSKARV IDSGSVKLRG SSLFMDTEKS GKREFDTRQT</p> <p>PQVNINPFTP DPVLLHSSGR CRGRKRAYFN DSEDMEASD YEFEDTRPA</p> <p>KRITITESNM KSRYTTEFHE LEKIGSGEFG SVFKCVKRLD GCIYAIKRSK</p> <p>KPLAGSVDEQ NALREVYAHA VLGQHPHVVR YFSAWAEDDH MLIQNEYCNG</p> <p>GSLADAISEN YRVMSYLTEV ELKDLLLQVG RGLRYIHMSM LVHMDIKPSN</p> <p>IFISRTSIPN AVSEEGDEDD WISNKVMFKI GDLGHVTRIS SPQVEEGDSR</p> <p>FLANEVLQEN YSHLPKADIF ALALTVVCAA GAEPLPRNGE QWHEIRQGRL</p> <p>PRIPQVLSQE VTELLRVMIH PDPERRPSAM ELVKHSVLLS ASRKSAEQLR</p> <p>IELNAEKFKN SLLQKELKKA QMAAKVAAEE RALFTDRMAT RSTTQSNRTS</p> <p>RLIGKKMNRS VSLTIY</p> |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Target Names</b>      | Wee1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Names</b>     | Recommended name: Wee1-like protein kinase EC= 2.7.10.2 Alternative name(s): Wee1A kinase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Expression Region</b> | 1-646                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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 gene encodes a nuclear protein, which is a tyrosine kinase belonging to the Ser/Thr family of protein kinases. This protein catalyzes the inhibitory tyrosine phosphorylation of CDC2/cyclin B kinase, and appears to coordinate the transition between DNA replication and mitosis by protecting the nucleus from cytoplasmically activated CDC2 kinase.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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.