



# Recombinant Mouse Protection of telomeres protein 1 (Pot1)

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| <b>Product Code</b>      | CSB-YP849657MO   |
| <b>Abbreviation</b>      | Pot1   |
| <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>       | Q91WC1   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MSLVSTAPYT YTPLNLLKEG TIANVYGVVK FFKPPYVSKG TDYCSVVTIV<br>DQTNVKLTCM LFSGNYEALP IYKVGDIVR FHRLKIQVYK NELQGINCSG<br>FASLTFEGTV GMPVTARTSS KVFSFTPQDQ KMVEALRVWA SKHISASSTL<br>VQLCDAQPMQ YYDLTCQLLG KAQVDSTAFL LKVWDGTQTV LPSWRVSTQD<br>LTFEGDLSHI ERLQSLVVDI LVYDNHVQVA RSIEVGCFLR LYSLHTKLQP<br>GNSETSSSES LRLEFHLHGG TSYGRGIRVL PDTSPCVDQL KKALEGANLP<br>VTETSTGICQ SENGDSSALS NSGSGAVSPY EEERCQQVSA TILTNIHQHLE<br>KTPLCAILTQ KAPQQYRVRA KLRSYLPRRL SQSVKLLCPK CHSVQEVPFHG<br>DSLDKILQDA ATEAPDIKLK ATSLYYSKVV TTEDQGGRQV AVHFVKNNGI<br>LPASSECLIL IEGGRLCEVS KLSSKFHSVM PVRSGPESLE LLTSLAPFLI<br>QGKVHHYGCK QCSSLKPIQN LNSRFHKGPW TPSSVAEALG VVPLQYVFVM<br>VFTLDDGTGV LEAYLKDSEH FFKIPASEVL TDDDLQRSLE TIMDMICPPG<br>IKVDAYPWLE CLLKSYNVTI GTERRICYQI FDTTVAENVV |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | Pot1   |
| <b>Protein Names</b>     | Recommended name: Protection of telomeres protein 1 Short name= mPot1<br>Alternative name(s): POT1-like telomere end-binding protein   |
| <b>Expression Region</b> | 1-640  |
| <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 is a member of the telombin family and encodes a nuclear protein involved in telomere maintenance. Specifically, this protein functions as a member of a multi-protein complex that binds to the TTAGGG repeats of telomeres, regulating telomere length and protecting chromosome ends from illegitimate recombination, catastrophic chromosome instability, and abnormal   |



chromosome segregation. Increased transcriptional expression of this gene is associated with stomach carcinogenesis and its progression. Alternatively spliced transcript variants have been described.

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**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.

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**Shelf Life**

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