



Recombinant Mouse Protection of telomeres protein 1 (Pot1)

Product Code	CSB-EP849657MO
Abbreviation	Pot1
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.	Q91WC1
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MSLVSTAPYT YTPLNLLKEG TIANVYGVVK FFKPPYVSKG TDYCSVVTIV DQTNVKLTCM LFSGNYEALP IYKVGDIVR FHRLKIQVYK NELQGINCSG FASLTFEGTV GMPVTARTSS KVFSFTPQDQ KMVEALRVWA SKHISASSTL VQLCDAQPMQ YYDLTCQLLG KAQVDSTAFL LKVWDGTQTV LPSWRVSTQD LTFEGDLSHI ERLQSLVVDI LVYDNHVQVA RSIEVGCFLR LYSLHTKLQP GNSETSSSES LRLEFHLHGG TSYGRGIRVL PDTSPCVDQL KKALEGANLP VTETSTGICQ SENGDSSALS NSGSGAVSPY EEERCQQVSA TILTNIHQHLE KTPLCAILTQ KAPQQYRVRA KLRSYLPRRL SQSVKLLCPK CHSVQEVPHG DSLDKILQDA ATEAPDIKLK ATSLYYSKVV TTEDQGGRQV AVHFVKNNGI LPASSECLIL IEGGRLCEVS KLSSKFHSVM PVRSGPESLE LLTSLAPFLI QGKVHHYGCK QCSSLKPIQN LNSRFHKGPW TPSSVAEALG VVPLQYVFVM VFTLDDGTGV LEAYLKDSEH FFKIPASEVL TDDDLQRSLE TIMDMICPPG IKVDAYPWLE CLLKSYNVTI GTERRICYQI FDTTVAENVV
Source	E.coli
Target Names	Pot1
Protein Names	Recommended name: Protection of telomeres protein 1 Short name= mPot1 Alternative name(s): POT1-like telomere end-binding protein
Expression Region	1-640
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 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.

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.