



# Recombinant Human Protection of telomeres protein 1 (POT1)

<b>Product Code</b>	CSB-EP868326HU
<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. 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>	Q9NUX5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSLVPATNYI YTPLNQLKGG TIVNVYGVVK FFKPPYLSKG TDYCSVVTIV DQTNVKL TCL LFSGNYEALP IYKNGDIVR FHRLKIQVYK KETQGITSSG FASLTFEGTL GAPIIPRTSS KYFNFTTEDH KMVEALRVWA STHMSPSWTL LKLCDVQPMQ YFDLTCQLLG KAEVDGASFL LKVWDGTRTP FPSWRVLIQD LVLEGDL SHI HRLQNLTIDI LVDNHHVHVA RSLKVG SFLR IYSLHTKLQS MNSENQTMLS LEFHLHGGTS YGRGIRVLPE SNSDVDQLKK DLESANLTAN QHSDVICQSE PDDSPSSGS VSLYEVCQ QLSATILTDH QYLERTPLCA ILKQKAPQQY RIRAKLSYK PRRLFQSVKL HCPKCHLLQE VPHEGDL DII FQDGATKTPD VKLQNTSLYD SKIWTTKNQK GRKVAVHFVK NNGILPLSNE CLLLIEGGTL SEICKLSNKF NSVIPVRS GH EDLELLDL SA PFLIQGTIHH YGCKQCSSLR SIQNLNSLVD KTSWIPSSVA EALGIVPLQY VFMVTF TLDD GTGVLEAYLM DSDKFFQIPA SEVLMDDDLQ KSVDMIMDMF CPPGIKIDAY PWLECFIKSY NVTNGTDN QI CYQIFDTTVA EDVI
<b>Source</b>	E.coli
<b>Target Names</b>	POT1
<b>Protein Names</b>	Recommended name: Protection of telomeres protein 1 Short name= hPot1 Alternative name(s): POT1-like telomere end-binding protein
<b>Expression Region</b>	1-634
<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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