



Recombinant Human Telomeric repeat-binding factor 1 (TERF1)

Product Code	CSB-YP023386HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P54274
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	AEDVSSAAP SPRGCADGRD ADPTEEQMAE TERNDEEQFE CQELLECQVQ VGAPEEEEE EEDAGLVAEA EAVAAGWMLD FLCLSLCRAF RDGRSEDFRR TRNSAEAIH GLSSLTACQL RTIYICQFLT RIAAGKTLDA QFENDERITP LESALMIWGS IEKEHDKLHE EIQNLIQIA IAVCMENGNF KEAEEVFERI FGDPNSHMPF KSKLLMIISQ KDTFHSFFQH FSYNHMMEKI KSYVNYVLSE KSSTFLMCAA AKVVESKRTR TITSQDKPSG NDVEMETEAN LDTRKSVSDK QSAVTESSEG TVSLLRSHKN LFLSKLQHGT QQQDLNKKER RVGTPQSTKK KKESTRATES RIPVSKSQPV TPEKHRARKR QAWLWEEDKN LRSGVRKYGE GNWSKILLHY KFNNRTSVML KDRWRTMKKL KLISSDSED
Source	Yeast
Target Names	TERF1
Protein Names	Recommended name: Telomeric repeat-binding factor 1 Alternative name(s): NIMA-interacting protein 2 TTAGGG repeat-binding factor 1 Telomeric protein Pin2/TRF1
Expression Region	2-439
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 of Mature Protein
Target Details	This gene encodes a telomere specific protein which is a component of the telomere nucleoprotein complex. This protein is present at telomeres throughout the cell cycle and functions as an inhibitor of telomerase, acting in cis to limit the elongation of individual chromosome ends. The protein structure contains a C-terminal Myb motif, a dimerization domain near its N-terminus and an acidic N-terminus. Two transcripts of this gene are alternatively spliced products.
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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.