



Recombinant Human Cyclin-T1 (CCNT1)

Product Code	CSB-MP004832HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O60563
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MEGERKNNNK RWYFTREQLE NSPSRRFGVD PDKELSYRQQ AANLLQDMGQ RLNVSQLTIN TAIVYMHRFY MIQSFTQFPG NSVAPAALFL AAKVEEQPKK LEHVIKVAHT CLHPQESLPD TRSEAYLQQV QDLVILESII LQTLGFELTI DHPHTHVVKC TQLVRASKDL AQTSYFMATN SLHLTTFSLQ YTPPVVACVC IHLACKWSNW EIPVSTDGKH WWEYVDATVT LELLDELTHE FLQILEKTPN RLKRIWNWRA CEAACKTKAD DRGTDEKTSE QTILNMISQS SSDTTIAGLM SMSTSTTSAV PSLPVSEESS SNLTSVEMLP GKRWLSSQPS FKLEPTQGHR TSENLALTGV DHSLPQDGSN AFISQKQNSK SVPSAKVSLK EYRAKHAEEL AAQKRQLENM EANVKSQYAY AAQNLLSHHD SHSSVILKMP IEGSENERP FLEKADKTAL KMRIPVAGGD KAASSKPEEI KMRIKVHAAA DKHNSVEDSV TKSREHKEKH KTHPSNHHHH HNHSHKHS SQLPVG TGNK RPGDPKHSSQ TSNLAHKTY S LSSSFSSSSS TRKRG PSEET GGAVFDHPAK IAKSTKSSSL NFSFPLPTM GQMPGHSSDT SGLSFSQPSC KTRVPHSKLD KGPTGANGHN TTQTIDYQDT VNMLHSLLSA QGVQPTQPTA FEFVRPYSDY LNPRSGGISS RSGNTDKPRP PPLPSEPPPP LPPLPK
Source	Mammalian cell
Target Names	CCNT1
Protein Names	Recommended name: Cyclin-T1 Short name= CycT1 Short name= Cyclin-T
Expression Region	1-726
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 protein belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin tightly associates with CDK9 kinase, and was found to be a major subunit of the transcription elongation factor p-TEFb. The kinase complex containing this cyclin and the elongation factor can interact with, and act as a cofactor of human immunodeficiency virus type 1 (HIV-1) Tat protein, and was shown to be both necessary and sufficient for full activation of viral transcription. This cyclin and its kinase partner were also found to be involved in the phosphorylation and regulation of the carboxy-



terminal domain (CTD) of the largest RNA polymerase II subunit.

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.