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Datasheet for ABIN1989589

Cyclin T1 Protein (CCNT1) (AA 1-726) (GST tag)

Overview

Quantity:	25 µg
Target:	Cyclin T1 (CCNT1)
Protein Characteristics:	AA 1-726
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cyclin T1 protein is labelled with GST tag.
Application:	ELISA, Western Blotting (WB), Antibody Array (AA), Affinity Purification (AP)

Product Details

Purpose:	CCNT1 (Human) Recombinant Protein (P01)
Sequence:	MEGERKNNNK RWYFTREQL NSPSRRFGVD PDKELSYRQQ AANLLQDMGQ RLNVSQLTIN TAIVYMHRFY MIQSFTQFPG NSVAPAALFL AAKVEEQPKK LEHVIKVAHT CLHPQESLPD TRSEAYLQQV QDLVILESII LQTLGFELTI DHPHTHVVKC TQLVRASKDL AQTSYFMATN SLHLTTFSLQ YTPPVACVC IHLACKWSNW EIPVSTDGKH WVEYVDATVT LELLDELTHE FLQILEKTPN GLKRIWNWRA CEAAKTKAD DRGTDEKTSE QTILNMISQS SSDTTIAGLM SMSTSTTSVAV PSLPVSEESS SNLTSVEMLP GKRWLSSQPS FKLEPTQGHR TSENALALTGV DHSLPQDGSN AFISQKQNSK SVPSAKVSLK EYRAKHAEEL AAQKRQLENM EANVKSQYAY AAQNLLSHHD SHSSVILKMP IEGSENPERP FLEKADKTAL KMRIPVAGGD KAASSKPEEI KMRIKVHAAA DKHNSVEDSV TKSREHKEKH KTHPSNHHHH HHHHSHKHSH SQLPVG TGNK RPGDPKHSSQ TSNLAHKTY S LSSSFSSSSS TRKRG PSEET GGAVFDHPAK IAKSTKSSSL NFSFPLPTM GQMPGHSSDT SGLSFSQPSC KTRVPHSKLD KGPTGANGHN TTQTIDYQDT

Product Details

VNMLHSLLSA QGVQPTQPTA FEFVRPYSDY LNPRSGGISS RSGNTDKPRP PPLPSEPPPP
LPPLPK

Characteristics: Human CCNT1 full-length ORF (BAF83679.1, 1 a.a. - 726 a.a.) recombinant protein with GST tag at N-terminal.

Purification: in vitro wheat germ expression system

Target Details

Target: Cyclin T1 (CCNT1)

Alternative Name: CCNT1 ([CCNT1 Products](#))

Background: Synonyms: CCNT,CYCT1

Gene Description: cyclin T1

Gene Name: CCNT1

Gene Summary: The protein encoded by this gene 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.

GenBank: AK290990.1, BAF83679.1

Molecular Weight: 107 kDa (theoretical)

Gene ID: 904

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -80 °C

Storage Comment: Best use within three months from the date of receipt of this protein.