

Recombinant Human CCNT2

Cat. No. CCNT2-27017TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Cyclin T2 protein with an N terminal proprietary tag; Predicted MW 37.4 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	107 amino acids
Description	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 and its kinase partner CDK9 were found to be subunits of the transcription elongation factor p-TEFb. The p-TEFb complex containing this cyclin was reported to interact with, and act as a negative regulator of human immunodeficiency virus type 1 (HIV-1) Tat protein. A pseudogene of this gene is found on chromosome 1. Alternate splicing results in multiple transcript variants.
Molecular Weight	37.400kDa inclusive of tags
Tissue specificity	Ubiquitously expressed.
Form	Liquid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	RKPKVDGQVSETPLLGSSLVQNSILVDSVTGVPTNPSFQK PSTSAFPAPVPLNSGNI SVQDSHTSDNLSMLATGMPSTSY GLSSHQEWPPQHQDSARTEQLYSQKQET
Sequence Similarities	Belongs to the cyclin family. Cyclin C subfamily.

GENE INFORMATION

Gene Name	CCNT2 cyclin T2 [Homo sapiens]
Official Symbol	CCNT2
Synonyms	CCNT2; cyclin T2; cyclin-T2;
Gene ID	905
mRNA Refseq	NM_001241
Protein Refseq	NP_001232
MIM	603862
Uniprot ID	O60583
Chromosome	2q21.3

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Location	
Pathway	Formation and Maturation of mRNA Transcript, organism-specific biosystem; Formation of HIV-1 elongation complex in the absence of HIV-1 Tat, organism-specific biosystem; Formation of RNA Pol II elongation complex, organism-specific biosystem; Gene Expression, organism-specific biosystem; HIV Infection, organism-specific biosystem;
Function	protein kinase binding;

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