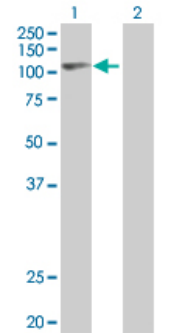
CCNT1 293T Cell Transient Overexpression Lysate(Denatured)

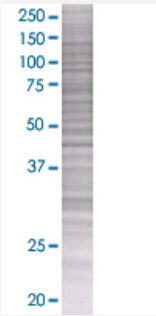
Catalog # H00000904-T01 Size 100 uL

Applications



Western Blot

Lane 1: CCNT1 transfected lysate (80.7 KDa)
Lane 2: Non-transfected lysate.



SDS-PAGE Gel

CCNT1 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CCNT1 full-length
Host	Human
Theoretical MW (kDa)	79.97
Interspecies Antigen Sequence	Mouse (90); Rat (78)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-CCNT1 antibody (H00000904-B01) by Western Blots. Western Blot Lane 1: CCNT1 transfected lysate (80.7 KDa) Lane 2: Non-transfected lysate. SDS-PAGE Gel CCNT1 transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CCNT1

Entrez GeneID	904
GeneBank Accession#	NM_001240
Protein Accession#	NP_001231
Gene Name	CCNT1
Gene Alias	CCNT, CYCT1
Gene Description	cyclin T1
Omim ID	602506
Gene Ontology	Hyperlink
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. [provided by RefSeq

Other Designations	CDK9-associated C-type protein|cyclin C-related protein|cyclin T1b|subunit of positive elongation transcription factor b

Disease

- Disease Progression
- Disease Susceptibility
- HIV Infections