

## Product datasheet for TP301657L

### CDT1 (NM\_030928) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromatin licensing and DNA replication factor 1 (CDT1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201657 representing NM_030928 Red=Cloning site Green=Tags(s)

MEQRRVTDFFARRRPGPPRIAPPKLACRTPSPARPALRAPASATSGSRKRARPPAAPGRDQARPPARRRL  
 RLSVDEVSSPSTPEAPDIPACPSPGQKIKKSTPAAGQPPHLTSAQDQDTISELASCLQRARELGARVRAL  
 KASAQDAGESCTPEAEGRPPEPCGEKAPAYQRFHALAQPLPGLVLPYKYQVLAEMFRSMDTIVGMLHNR  
 SETPTFAKVQRGVQDMMRRRFEERNVGVQIKTVYPASYRFRQERSVPTFKDGTTRSDYQLTIEPLLEQEAD  
 GAAPQLTASRLLQRRQIFSQKLVEHVKEHHKAFLASLSPAMVVPEDQLTRWHPRFNVDEVPDIEPAALPQ  
 PPATEKLTTAQEVLARARNLISPRMEKALSQALRSAAPSSPGSPRPALPATPPATPPAASPSALKGVSQ  
 DLLERIRAKEAQKQLAQMTRCPEQEQLRQLRLPELARVLRVSVFVSERKPALSMEVACARMVGCCTIM  
 SPGEMEKHLLLSSELLPDWLSLHRIRTDTYVKLDDKAADLAHITARLAHQTRAEEGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	60.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq: [NP\\_112190](#)

Locus ID: 81620

UniProt ID: [Q9H211](#)

RefSeq Size: 2742

Cytogenetics: 16q24.3

RefSeq ORF: 1638

Synonyms: DUP; RIS2

**Summary:** The protein encoded by this gene is involved in the formation of the pre-replication complex that is necessary for DNA replication. The encoded protein can bind geminin, which prevents replication and may function to prevent this protein from initiating replication at inappropriate origins. Phosphorylation of this protein by cyclin A-dependent kinases results in degradation of the protein. [provided by RefSeq, Mar 2011]

**Protein Families:** Stem cell - Pluripotency

### Product images:



Coomassie blue staining of purified CDT1 protein (Cat# [TP301657]). The protein was produced from HEK293T cells transfected with CDT1 cDNA clone (Cat# [RC201657]) using MegaTran 2.0 (Cat# [TT210002]).