

Product datasheet for TP301657

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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), 20

μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC201657 representing NM_030928

or AA Sequence: Red=Cloning site Green=Tags(s)

MEQRRVTDFFARRRPGPPRIAPPKLACRTPSPARPALRAPASATSGSRKRARPPAAPGRDQARPPARRRL RLSVDEVSSPSTPEAPDIPACPSPGQKIKKSTPAAGQPPHLTSAQDQDTISELASCLQRARELGARVRAL KASAQDAGESCTPEAEGRPEEPCGEKAPAYQRFHALAQPGLPGLVLPYKYQVLAEMFRSMDTIVGMLHNR SETPTFAKVQRGVQDMMRRRFEERNVGQIKTVYPASYRFRQERSVPTFKDGTRRSDYQLTIEPLLEQEAD GAAPQLTASRLLQRRQIFSQKLVEHVKEHHKAFLASLSPAMVVPEDQLTRWHPRFNVDEVPDIEPAALPQ PPATEKLTTAQEVLARARNLISPRMEKALSQLALRSAAPSSPGSPRPALPATPPATPPAASPSALKGVSQ DLLERIRAKEAQKQLAQMTRCPEQEQRLQRLERLPELARVLRSVFVSERKPALSMEVACARMVGSCCTIM

SPGEMEKHLLLLSELLPDWLSLHRIRTDTYVKLDKAADLAHITARLAHQTRAEEGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 60.2 kDa

Concentration: $>0.05 \mu g/\mu L$ 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.



CDT1 (NM_030928) Human Recombinant Protein - TP301657

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

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

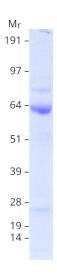
replication and may function to prevent this protein from initiating replication at

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]).