

Product datasheet for PH301657

CDT1 (NM_030928) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CDT1 MS Standard C13 and N15-labeled recombinant protein (NP_112190)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201657
Predicted MW:	60.2 kDa
Protein Sequence:	>RC201657 representing NM_030928 Red=Cloning site Green=Tags(s)

MEQRRVTDFEFARRRPGPPRIAPPKLACRTPSPARPALRAPASATSGSRKRARPPAAPGRDQARPPARRRL
RLSVDEVSSPSTPEAPDIPACPSPGQKIKKSTPAAGQPPHLTSAQDQDTISELASCLQRARELGARVRAL
KASAQDAGESCTPEAEGRPEEPCGKAPAYQRFHALAQPLPGLVLPYKYQVLAEMFRSMDTIVGMLHNR
SETPTFAKVQRGVQDMMRRRFEERNVGGIKTVYPASYRFRQERSVPTFKDGTTRSDYQLTIEPLLEQAD
GAAPQLTASRLLRQIFSQKLVEHVKEHHKAFSLSPAMVVPEDQLTRWHPRFNVDEVPDIEPAALPQ
PPATEKLTTAQEVLARARNLISPRMEKALSQALRSAAPSSPGSPRPALPATPPATPPAASPSALKGVSQ
DLLERIRAKEAQKLAQMTRCPEQEQLRQLERLPELARVLRVSVSERKPALSMEVACARMVGSCTIM
SPGEMEKHLLLLSELLPDWLSLHRIRTDYVKLKAADLAHITARLAHQTRAEGL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_112190</u>
RefSeq Size:	2742
RefSeq ORF:	1638



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Synonyms: DUP; RIS2
Locus ID: 81620
UniProt ID: [Q9H211](#)
Cytogenetics: 16q24.3

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]).