

Product datasheet for PH304381

PTOP (ACD) (NM_001082486) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACD MS Standard C13 and N15-labeled recombinant protein (NP_001075955)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204381
Predicted MW:	57.7 kDa
Protein Sequence:	>RC204381 protein sequence Red=Cloning site Green=Tags(s)

MPGRCQSDAAMRVNGPASRAPAGWTSGLSHTGPRAGRPRQAQARGVRGRGLLLRPRPAKELPLPRKGGAWA
PAGNPGPLHPLGVAVGMAGSGRLVLRPWIRELILGSETPSSPRAGQLLEVLQDAEAAVAGPSHAPDTS
GATLLVSDGTHSVRCLVTREALDTSWEEKEFGFRGTEGRLLLLQDCGVHVQVAEGGAPAEFYLQVDRFS
LLPTEQPRLRVPGCNQDLVDVQKKLYDCLLEEHLSESTSSNAGLSLQLLDEMREDQEHQGALVCLAESCLT
LEGPCTAPPVTHWAASRCKATGEAVYTPSSMLCISENDQLILSSLGPCQRTQGPELPPDPALQDLSLT
LIASPPSSPSSSGTPALPGHMSSEESGTSISLLPALSLAAPDPGQRSSSQPSAICSAPATLTPRSPHAS
RTPSSPLQSCPTSLSPRSHVPSPHQALVTRPQKPSLEFKEFVGLPCKNRPPFPRTGATRGAQEPCSVWEP
PKRHRDGSADFQYEYEPCTSLCARVQAARLPPQLMAWALHFLMDAQPGESEPTM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_001075955
RefSeq Size:	2095
RefSeq ORF:	1632

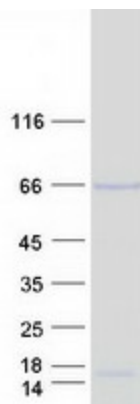


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Synonyms: PIP1; PTOP; TINT1; TPP1
Locus ID: 65057
UniProt ID: [Q96AP0](#), [A0A590TQL1](#), [A0A5F9ZCY9](#)
Cytogenetics: 16q22.1

Summary: This gene encodes a protein that is involved in telomere function. This protein is one of six core proteins in the telosome/shelterin telomeric complex, which functions to maintain telomere length and to protect telomere ends. Through its interaction with other components, this protein plays a key role in the assembly and stabilization of this complex, and it mediates the access of telomerase to the telomere. Multiple transcript variants encoding different isoforms have been found for this gene. This gene, which is also referred to as TPP1, is distinct from the unrelated TPP1 gene on chromosome 11, which encodes tripeptidyl-peptidase I. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified ACD protein (Cat# [TP304381]). The protein was produced from HEK293T cells transfected with ACD cDNA clone (Cat# [RC204381]) using MegaTran 2.0 (Cat# [TT210002]).