

Product datasheet for PH314927

TDP1 (NM_018319) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TDP1 MS Standard C13 and N15-labeled recombinant protein (NP_060789)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214927
Predicted MW:	68.2 kDa
Protein Sequence:	>RC214927 representing NM_018319 Red=Cloning site Green=Tags(s)

MSQEGDYGRWTISSSDESEEEKPKPKDPSTSSLLCARQGAANEPRYTCSEAQKAAHKRKISPVKFSNTDS
VLPPKRQKSGSQEDLGWCLSSSDELQPEMPQKQAEKVVIKKEKDISAPNDGTAQRTENHGAPACHRLKE
EEDEYETSGEGQDIWMLDKGNPFQFYLTRVSGVKPKYNSGALHIKDILSPLFGTLVSSAQFNFCFDVDW
LVKQYPPEFRKKPILLVHGDKREAKAHLHAQAKPYENISLQAKLDIAFGTHHTKMMLLLYEEGLRVVIH
TSNLIHADWHQKTQGIWLSPLYPRIADGTHKSGESPTHFKADLISYLMAYNAPSLKEWIDVIHKHDLSET
NVYLIGSTPGRFQGSQKDNWGHFRLKLLKDHASSMPNAESWPVVGQFSSVGLGADESKWLCSEFKESM
LTLGKESKTPGKSSVPLYLIYPSVENVRTSLEGYPAGGSLPYSIQTAEQNWLHSYFHKWSAETSGRSNA
MPHIKTYMRPSPDFSKIAWFLVTSANLSKAAWGALEKNGTQLMIRSYELGVLFLPSAFGLDSFKVKQKFF
AGSQEPMATFPVPYDLPELYGSKDRPWIWNIPYVKAPDTHGNMWVPS

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- 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:	NP_060789
RefSeq Size:	3763
RefSeq ORF:	1824



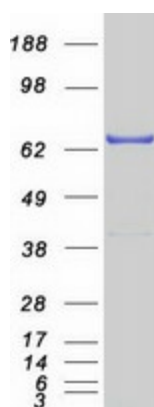
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Locus ID: 55775
UniProt ID: [Q9NUW8](#), [A0A024R6L5](#), [B3KN41](#)
Cytogenetics: 14q32.11

Summary: The protein encoded by this gene is involved in repairing stalled topoisomerase I-DNA complexes by catalyzing the hydrolysis of the phosphodiester bond between the tyrosine residue of topoisomerase I and the 3-prime phosphate of DNA. This protein may also remove glycolate from single-stranded DNA containing 3-prime phosphoglycolate, suggesting a role in repair of free-radical mediated DNA double-strand breaks. This gene is a member of the phospholipase D family and contains two PLD phosphodiesterase domains. Mutations in this gene are associated with the disease spinocerebellar ataxia with axonal neuropathy (SCAN1). [provided by RefSeq, Aug 2016]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified TDP1 protein (Cat# [TP314927]). The protein was produced from HEK293T cells transfected with TDP1 cDNA clone (Cat# [RC214927]) using MegaTran 2.0 (Cat# [TT210002]).