

Recombinant Human TDP1 293 Cell Lysate

Cat. No. TDP1-1155HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for tyrosyl-DNA phosphodiesterase 1 (TDP1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

 Tel: 1-631-559-9269 1-516-512-3133

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	TDP1 tyrosyl-DNA phosphodiesterase 1 [Homo sapiens]
Official Symbol	TDP1
Synonyms	TDP1; tyrosyl-DNA phosphodiesterase 1; FLJ11090; SCAN1; tyr-DNA phosphodiesterase 1; MGC104252;
Gene ID	55775
mRNA Refseq	NM_001008744
Protein Refseq	NP_001008744
MIM	607198
UniProt ID	Q9NUW8
Chromosome Location	14q32.11
Pathway	DNA Repair, organism-specific biosystem; Double-Strand Break Repair, organism-specific biosystem; Nonhomologous End-joining (NHEJ), organism-specific biosystem; Processing of DNA ends prior to end rejoining, organism-specific biosystem;

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