

Recombinant Human PAPD7 293 Cell Lysate

Cat. No. PAPD7-3442HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for PAP associated domain containing 7 (PAPD7), 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.

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

GENE INFORMATION
Gene Name

PAPD7 PAP associated domain containing 7 [Homo sapiens]

Official Symbol

PAPD7

Synonyms

PAPD7; PAP associated domain containing 7; POLS, polymerase (DNA directed) sigma; DNA polymerase sigma; DNA polymerase kappa; LAK 1; POLK; polymerase (DNA directed) sigma; topoisomerase related function protein 4 1; TRF4; TRF4 1; TUTase5; TUTase 5; terminal uridylyltransferase 5; polymerase (DNA-directed) sigma; PAP-associated domain-containing protein 7; topoisomerase-related function protein 4-1; LAK1; POLS; LAK-1; TRF41; TRF4-1; TUTASE5;

Gene ID

11044

mRNA Refseq

NM_001171805

Protein Refseq

NP_001165276

MIM

605198

UniProt ID

Q5XG87

Chromosome Location

5p15

Pathway

RNA degradation, organism-specific biosystem; RNA degradation, conserved

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biosystem; TRAMP complex, organism-specific biosystem; TRAMP complex, conserved biosystem;

Function

DNA binding; DNA-directed DNA polymerase activity; SMC protein binding; metal ion binding; nucleotidyltransferase activity; transferase activity;

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