

Recombinant Human PRIM1 293 Cell Lysate

Cat. No. PRIM1-2870HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for primase, DNA, polypeptide 1 (49kDa) (PRIM1) 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.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

PRIM1 primase, DNA, polypeptide 1 (49kDa) [Homo sapiens]

Official Symbol

PRIM1

Synonyms

PRIM1; primase, DNA, polypeptide 1 (49kDa); DNA primase small subunit; DNA primase 1; primase p49 subunit; DNA primase subunit 48; DNA primase 49 kDa subunit; primase polypeptide 1, 49kDa; p49; MGC12308;

Gene ID

5557

mRNA Refseq

NM_000946

Protein Refseq

NP_000937

MIM

176635

UniProt ID

P49642

Chromosome Location

12q13.3

Pathway

Activation of the pre-replicative complex, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Replication, organism-specific biosystem; DNA Replication, organism-specific biosystem; DNA Replication

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Pre-Initiation, organism-specific biosystem;

Function

DNA primase activity; metal ion binding; nucleotidyltransferase activity; transferase activity;

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