

## Recombinant Human POLR3D 293 Cell Lysate

Cat. No. POLR3D-3025HCL    Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Species             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Description         | Antigen standard for polymerase (RNA) III (DNA directed) polypeptide D, 44kDa (POLR3D) 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**

POLR3D polymerase (RNA) III (DNA directed) polypeptide D, 44kDa [ Homo sapiens ]

**Official Symbol**

POLR3D

**Synonyms**

POLR3D; polymerase (RNA) III (DNA directed) polypeptide D, 44kDa; BN51 (BHK21) temperature sensitivity complementing , BN51T; DNA-directed RNA polymerase III subunit RPC4; RPC4; TSBN51; RPC53 homolog; RNA polymerase III subunit C4; RNA polymerase III 47 kDa subunit; DNA-directed RNA polymerase III subunit D; BN51 (BHK21) temperature sensitivity complementing; DNA-directed RNA polymerase III 47 kDa polypeptide; temperature sensitive complementation, cell cycle specific, tsBN51; BN51T; RPC53;

**Gene ID**

661

**mRNA Refseq**

NM\_001722

**Protein Refseq**

NP\_001713

**UniProt ID**

P05423

**Chromosome Location**

8q21

**Pathway**

Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-

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sensing pathway, conserved biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem;

**Function**

DNA binding; DNA-directed RNA polymerase activity;

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