

Recombinant Human DBF4 293 Cell Lysate

Cat. No. DBF4-7067HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for DBF4 homolog (<i>S. cerevisiae</i>) (DBF4) 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 DBF4 DBF4 homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol DBF4

Synonyms DBF4; DBF4 homolog (*S. cerevisiae*); protein DBF4 homolog A; activator of S phase kinase; ASK; chif; chifon homolog (*Drosophila*); DBF4A; ZDBF1; zinc finger; DBF type containing 1; chifon homolog A; zinc finger, DBF-type containing 1; DBF4-type zinc finger-containing protein 1; CHIF;

Gene ID 10926

mRNA Refseq NM_006716

Protein Refseq NP_006707

MIM 604281

UniProt ID Q9UBU7

Chromosome Location 7q21.3

Pathway Activation of ATR in response to replication stress, organism-specific biosystem; Activation of the pre-replicative complex, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem;

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Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem;

Function

enzyme activator activity; metal ion binding; nucleic acid binding; zinc ion binding;

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