

Recombinant Human E2F1 293 Cell Lysate

Cat. No. E2F1-6743HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for E2F transcription factor 1 (E2F1) 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

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

GENE INFORMATION

Gene Name [E2F1 E2F transcription factor 1 \[Homo sapiens \]](#)

Official Symbol [E2F1](#)

Synonyms [E2F1](#); [E2F transcription factor 1](#); [RBBP3](#); [transcription factor E2F1](#); [RBP3](#); [PBR3](#); [RBAP-1](#); [RBBP-3](#); [PRB-binding protein E2F-1](#); [retinoblastoma-binding protein 3](#); [retinoblastoma-associated protein 1](#); [E2F-1](#); [RBAP1](#);

Gene ID [1869](#)

mRNA Refseq [NM_005225](#)

Protein Refseq [NP_005216](#)

MIM [189971](#)

UniProt ID [Q01094](#)

Chromosome Location [20q11](#)

Pathway [Activation of BH3-only proteins, organism-specific biosystem](#); [Activation of NOXA and translocation to mitochondria, organism-specific biosystem](#); [Activation of PUMA and translocation to mitochondria, organism-specific biosystem](#); [Adipogenesis, organism-specific biosystem](#); [Apoptosis, organism-specific biosystem](#); [Assembly of the pre-replicative complex, organism-specific biosystem](#); [Association of licensing factors with the pre-replicative complex, organism-specific biosystem](#);

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Function

DNA binding; DNA binding; core promoter binding; cyclin-dependent protein kinase activity; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; transcription corepressor activity; transcription factor binding;

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