Recombinant Human E2F1 293 Cell Lysate

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

SPECIFICATION

Product Overview	
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.

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	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-

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	replicative complex, organism-specific biosystem; Association of licensing factors with the pre-replicative complex, organism-specific biosystem;
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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