

Recombinant Human JUN 293 Cell Lysate

Cat. No. JUN-5095HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for jun oncogene (JUN) 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 mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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GENE INFORMATION

Gene Name [JUN jun proto-oncogene \[Homo sapiens \]](#)

Official Symbol [JUN](#)

Synonyms [JUN](#); [jun proto-oncogene](#); [jun oncogene](#) , [v jun avian sarcoma virus 17 oncogene homolog](#) , [v jun sarcoma virus 17 oncogene homolog \(avian\)](#); [transcription factor AP-1](#); [AP 1](#); [c Jun](#); [p39](#); [jun oncogene](#); [activator protein 1](#); [proto-oncogene c-Jun](#); [enhancer-binding protein AP1](#); [Jun activation domain binding protein](#); [v-jun sarcoma virus 17 oncogene homolog](#); [v-jun avian sarcoma virus 17 oncogene homolog](#); [AP1](#); [AP-1](#); [c-Jun](#);

Gene ID [3725](#)

mRNA Refseq [NM_002228](#)

Protein Refseq [NP_002219](#)

MIM [165160](#)

UniProt ID [P05412](#)

Chromosome Location [1p32-p31](#)

Pathway [ATF-2 transcription factor network, organism-specific biosystem](#); [Activated TLR4 signalling, organism-specific biosystem](#); [Activation of the AP-1 family of transcription factors, organism-specific biosystem](#); [Amphetamine addiction, organism-specific biosystem](#); [Amphetamine addiction, conserved biosystem](#); [Androgen Receptor Signaling Pathway, organism-specific biosystem](#); [Apoptosis, organism-specific](#)

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biosystem;

Function

DNA binding; R-SMAD binding; RNA polymerase II activating transcription factor binding; RNA polymerase II distal enhancer sequence-specific DNA binding; RNA polymerase II transcription factor binding transcription factor activity involved in positive regulation of transcription; Rho GTPase activator activity; cAMP response element binding; double-stranded DNA binding; protein binding; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription coactivator activity; transcription factor binding; transcription regulatory region DNA binding;

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