

Active Recombinant Human JUN, His-tagged

Cat. No. JUN-105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant Human JUN, His-tagged protein was expressed in baculovirus system and purified by affinity chromatography in combination with FPLC columns.
Species	Human
Source	Insect Cells
Description	This gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies.
Form	The protein is in 20mM Tris-HCl pH7.9, 100mM NaCl, 0.2mM EDTA, 1mM DTT and 20% glycerol.
Bio-activity	1 unit equals 1 nanogram of purified protein.
Molecular Mass	37.5 kDa.
AA Sequence	MTAKMETTFY DDALNASFLP SESGPYGYSN PKILKQSM TL NLADPVGSLK PHLRAKNSDL LTSPDVGLLK LASPELERLI IQSSNGHITT TPTPTQFLCP KNVTDEQEGF AEGFVRALAE LHSQNTLP SV TSAAQPVNGA GMVAPAVASV AGGSGSGGFS ASLHSEPPVY ANLSNFNPGA LSSGGGAPSY GAAGLAFPAQ PQQQQQPPHH LPQQMPVQHP RLQALKEEPQ TVPEMPGETP PLSPIDMESQ

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ERIKAEKRM RNRIAASKCR KRKLERIARL EEKVTKLKAQ NSELASTANM
LREQVAQLKQ KVMNHVNSGC QLMLTQQLQT F

Purity Greater than 90% as determined by SDS-PAGE.

Applications c-jun can be applied in DNA and protein-protein interaction assays.

Storage Stored at -70°C before use. Avoid repeated freeze thaw cycles.

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_003122](#)

MIM [600589](#)

UniProt ID [P11831](#)

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Chromosome Location	6p
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Heart Development, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; contributes_to RNA polymerase II core promoter sequence-specific DNA binding transcription factor activity; RNA polymerase II transcription factor binding transcription factor activity; chromatin 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; serum response element binding; transcription factor binding;