

## Active Recombinant Human JUN, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	The recombinant Human JUN, His-tagged protein was expressed in baculovirus system and purified by affinity chromatography in combination with FPLC columns.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	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.
<b>Form</b>	The protein is in 20mM Tris-HCl pH7.9, 100mM NaCl, 0.2mM EDTA, 1mM DTT and 20% glycerol.
<b>Bio-activity</b>	1 unit equals 1 nanogram of purified protein.
<b>Molecular Mass</b>	37.5 kDa.
<b>AA Sequence</b>	MTAKMETTFY DDALNASFLP SESGPYGYSN PKILKQSMTL NLADPVGSLK PHLRAKNSDL LTSPDVGLLK LASPELERLI IQSSNGHITT TPTPTQFLCP KNVTDEQEGF AEGFVRALAE LHSQNTLPSV TSAAQPVNGA GMVAPAVASV AGGSGSGGFS ASLHSEPPVY ANLSNFNPGA LSSGGGAPSY GAAGLAFPAQ PQQQQQPPHH LPQQMPVQHP RLQALKEEPQ TVPEMPGETP PLSPIDMESQ

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ERIKAERKRM 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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<b>Chromosome Location</b>	6p
<b>Pathway</b>	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;
<b>Function</b>	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;

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