

# Recombinant human c-Jun protein

Catalog Number: ATGP0960

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-241aa

**UniProt No.**

P05412

**NCBI Accession No.**

NP\_002219

**Alternative Names**

Transcription factor AP-1, AP-1, AP1, c-Jun, jun proto-oncogene

## PRODUCT SPECIFICATION

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**Molecular Weight**

27.3 kDa (261aa) confirmed by MALDI-TOF

**Concentration**

0.25mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.

**Purity**

> 90% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**Description**

The human protooncogene c-Jun is the putative transforming gene of avian sarcoma virus 17, and it encodes a protein which is highly homologous to the viral protein. c-Jun and c-Fos form a complex in the nucleus. AP1 is a collective term referring to these dimeric transcription factors composed of Jun, Fos or ATF subunits that bind to a common DNA site, the AP1 binding site. AP1 proteins, mostly the Jun group, regulate the expression and function of cell cycle regulators such as Cyclin D1, p53, p21, p19 and p16. Fos and Jun proto oncogene expression is induced transiently by a variety of extracellular stimuli associated with mitogenesis, differentiation

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processes or depolarization of neurons. Recombinant human c-Jun protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

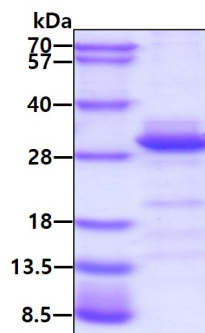
<MGSSHHHHHH SSGLVPRGSH> MTAKMETTFY DDALNASFLP SESGPYGYSN PKILKQSMTL NLADPVGSLK  
PHLRAKNSDL LTSPDVGLLK LASPELERLI IQSSNGHITT TPTPTQFLCP KNVTDQEGF AEGFVRALAE LHSQNTLPSV  
TSAAQPVNGA GMVAPAVASV AGGSGSGGFS ASLHSEPPVY ANLSNFNPGA LSSGGGAPSY GAAGLAFPAQ  
PQQQQQPPHH LPQQMPVQHP RLQALKEEPQ TVPEMPGETP P

## General References

Bohmann D., et al. (1987) Science. 238(4832):1386-92.  
Bannister AJ., et al. (1993) Nucleic Acids Res. 21(5):1289-95.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.