Recombinant human c-Jun protein

Catalog Number: ATGP0960

PRODUCT INFORMATION

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

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

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

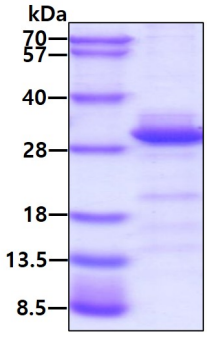
<MGSSHHHHHH SSGLVPRGSH> MTAKMETTFY DDALNASFLP SESGPYGYSN PKILKQSMTL NLADPVGSLK PHLRAKNSDL LTSPDVGLLK LASPELERLI IQSSNGHITT TPTPTQFLCP KNVTDEQEGF AEGFVRALAE LHSQNTLPSV TSAAQPVNGA GMVAPAVASV AGGSGSGGFS ASLHSEPPVY ANLSNFNPGA LSSGGGAPSY GAAGLAFPAQ PQQQQQPPHH LPQQMPVQHP RLQALKEEPQ TVPEMPGETP P

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.