

Human C-JUN Recombinant Protein



RPPB2473

Product Information Protein Information

Product SKU:

RPPB2473

Accession:

P05412

Host:

Escherichia Coli.

Protein description:

C-JUN amino acids 1-81 produced in E.coli, is a non-glycosylated, polypeptide chain having a molecular mass of 52 kDa. C-JUN is a maltose binding protein (MBP) fusion protein with an amino-terminal polyhistidine tag and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Transcription factor AP-1, Activator protein 1, AP1, Proto-oncogene c-jun, V-jun avian sarcoma virus 17 oncogene homolog, p39, c-Jun.

Formulation:

C-JUN is supplied as lyophilized powder containing no additives.

Purity:

Greater than 95% as determined by SDS-PAGE.

Solubility:

It is recommended to centrifuge the vial prior to opening in order to bring the contents to the bottom. The reconstitution of the lyophilized c-Jun is recommended in 40mM Tris, pH 7.5, to a concentration of 0.2-1.0 mg/ml.

Stability:

Store at 4°C if entire vial will be used within 1-2 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Biological Activity:

C-Jun is phosphorylatable in vitro, using either recombinant active JNK1 or JNK2, or with JNK immunoprecipitated from stimulated cells. This phosphorylation can be monitored by Western blot analysis using an antibody directed to c-Jun [pS73], in conjunction with chemiluminescence detection methods. Optimization of the cell stimulation protocol, cell lysis procedure, and reaction conditions may be required for each specific application.