

Datasheet for ABIN6700182  
**C-JUN Protein (GST tag)**



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## Overview

Quantity:	20 µg
Target:	C-JUN (JUN)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This C-JUN protein is labelled with GST tag.
Application:	Western Blotting (WB)

## Product Details

Purpose:	c-JUN recombinant protein-GST fusion protein
Purification:	Recombinant human c-JUN (1-79) expressed in E. coli cells using an N-Terminal GST Protein. The purity was determined to be >50% by densitometry.
Purity:	>50%

## Target Details

Target:	C-JUN (JUN)
Alternative Name:	JUN ( <a href="#">JUN Products</a> )
Background:	Synonyms: AP1, Transcription factor AP-1, Activator protein 1, Proto-oncogene c-Jun, V-jun avian sarcoma virus 17 oncogene homolog, p39 Background: c-Jun is a proto-oncogene that forms a complex with c-Fos which regulates transcription from promoters containing AP-1 activation elements (1). c-Jun has specific DNA

## Target Details

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binding activity and following in vitro translation, c-Jun binds as a homodimer to the AP-1 DNA site. The transactivating function of c-Jun is acutely regulated by a wide variety of cellular signals via modulation of phosphorylation of two serines (63 and 73). Jun N-terminal domain kinases (JNKs), are responsible for mediating S63/73 phosphorylation on c-Jun in response to a variety of cellular stimuli including TNF- $\alpha$ , heat stress and u.v. light (2). c-JUN Protein is ideal for investigators involved in Signaling Proteins, Transcription Proteins, Apoptosis/Autophagy, Cardiovascular Disease, Cellular Stress, Inflammation, JNK/SAPK Pathway, Neurobiology, and Nf $\kappa$ B Pathway research.

NCBI Accession: [NM\\_002228](#)

Pathways: [MAPK Signaling](#), [RTK Signaling](#), [WNT Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Activation of Innate immune Response](#), [Myometrial Relaxation and Contraction](#), [Skeletal Muscle Fiber Development](#), [Protein targeting to Nucleus](#), [Toll-Like Receptors Cascades](#), [Autophagy](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [BCR Signaling](#), [S100 Proteins](#)

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Other: Kinase Assay-User Optimized  
Application\_Note: c-JUN Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~ 35 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.2  $\mu$ g/ $\mu$ L

Buffer: c-JUN Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months