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Datasheet for 009-001-R71S

c-JUN protein-GST fusion

Overview

Description:	c-JUN recombinant protein-GST fusion protein - 009-001-R71S
Item No.:	009-001-R71S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

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 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-a, 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 NfkB Pathway research.
Synonyms:	AP1, Transcription factor AP-1, Activator protein 1, Proto-oncogene c-Jun, V-jun avian sarcoma virus 17 oncogene homolog, p39
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	JUN
Purity/Specificity:	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.
Relevant Links:	• NCBI - NM_002228

Application Details

Application Note:	c-JUN Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. c-JUN Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~ 35kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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