

Datasheet for 009-001-R88S**ELK1 protein-GST fusion****Overview**

Description:	ELK1 recombinant protein-GST fusion protein - 009-001-R88S
Item No.:	009-001-R88S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	ELK1 is a member of the ETS oncogene family of transcription factors (1). ELK1 protein interacts with promoter of the c-fos proto-oncogene and has been shown to be involved in the Ras-Raf-MAPK signaling cascade (1). Immature phosphorylation of transcription factor ELK-1 is implicated in premature aging syndrome and insulin resistance. Expression studies have revealed that elevated expression of ELK1-like protein in human esophageal can result in squamous cell carcinoma (2). ELK1 Protein is ideal for investigators involved in Signaling Proteins, Transcription Proteins, Angiogenesis, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, ERK/MAPK Pathway, Invasion/Metastasis, and Neurobiology research.
Synonyms:	ELK1, ETS domain-containing protein Elk-1
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	ELK1
Purity/Specificity:	Recombinant full-length human ELK1 was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >75% by densitometry.
Relevant Links:	• NCBI - NM_005229

Application Details

Application Note:	ELK1 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. ELK1 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~ 81kDa 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

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