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Datasheet for ABIN6699791 **ELK1 Protein (GST tag)**

Overview

Quantity:	20 µg
Target:	ELK1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ELK1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	ELK1 recombinant protein-GST fusion protein
Purification:	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.
Purity:	>75%

Target Details

Target:	ELK1
Alternative Name:	ELK1 (ELK1 Products)
Background:	Synonyms: ELK1, ETS domain-containing protein Elk-1 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

Target Details

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.

NCBI Accession: [NM_005229](#)

Pathways: [MAPK Signaling](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [BCR Signaling](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Other: Kinase Assay-User Optimized
Application_Note: ELK1 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~ 81 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: ELK1 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