

Recombinant Human ELK1, GST-tagged

Cat. No. KCNH8-7049H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human ELK1 was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
ProteinLength	Full length
Description	ELK1 is a member of the ETS oncogene family of transcription factors. 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. 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.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~81 kDa
Purity	>75%
Applications	Kinase Assay, Western Blot

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.2 µg/µl
Storage Buffer	Sterile distilled water at a concentration of 1mg/ml or less.
GENE INFORMATION	
Gene Name	KCNH8 potassium voltage-gated channel, subfamily H (eag-related), member 8 [Homo sapiens]
Official Symbol	KCNH8
Synonyms	KCNH8; potassium voltage-gated channel, subfamily H (eag-related), member 8; potassium voltage-gated channel subfamily H member 8; elk3; Kv12.1; hElk1; ELK channel 3; ether-a-go-go-like potassium channel 1; ether-a-go-go-like potassium channel 3; voltage-gated potassium channel subunit Kv12.1; ELK; ELK1;
Gene ID	131096
mRNA Refseq	NM_144633
Protein Refseq	NP_653234
MIM	608260
UniProt ID	Q96L42
Chromosome Location	3p24.3

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Pathway	Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; Voltage gated Potassium channels, organism-specific biosystem;
Function	sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; two-component sensor activity; voltage-gated ion channel activity; voltage-gated potassium channel activity;

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