

Recombinant Human ELK1, Member Of ETS Oncogene Family, GST-tagged

Cat. No. ELK1-4841H **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
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.
Applications	Kinase Assay; Western Blot
Molecular Weight	81 kDa
Expression System	E. coli
Form	Recombinant protein 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.
Purity	> 75 %

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Concentration	0.2 ug/ul
Sequences	Full length
Storage	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.
Pathways	Activated TLR4 signalling; BCR signaling pathway; EGFR1 Signaling Pathway; ERK/MAPK targets; Endometrial cancer; ErbB signaling pathway; ErbB signaling pathway; Focal Adhesion; GnRH signaling pathway; HTLV-I infection; IL-4 signaling Pathway; IL-5 Signaling Pathway; Id Signaling Pathway; Insulin Signaling

GENE INFORMATION

Gene Name	ELK1 ELK1, member of ETS oncogene family [Homo sapiens]
Official Symbol	ELK1
Synonyms	ELK1; ELK1, member of ETS oncogene family; ETS domain-containing protein Elk-1; ETS-like gene 1; OTTHUMP00000023224; OTTHUMP00000023225
Gene ID	2002
mRNA Refseq	NM_005229
Protein Refseq	NP_005220
MIM	311040

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UniProt ID	P19419
Chromosome Location	Xp11.2
Function	protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity
PDBrendering based on 1dux.	