Active Recombinant Full Length Human ELK1 Protein (M1-P428), N-GST/6×His tagged

Cat. No. ELK1-6923H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ELK1, full length, amino acids (M1-P428, as in NCBI/Protein entry NP_005220.2), N-GST/6×His fusion protein with a 3C cleavage site, expressed in Sf9 cells.
Species	Human
Source	Sf9 Cells
ProteinLength	M1-P428
Description	This gene is a member of the Ets family of transcription factors and of the ternary complex factor (TCF) subfamily. Proteins of the TCF subfamily form a ternary complex by binding to the the serum response factor and the serum response element in the promoter of the c-fos proto-oncogene. The protein encoded by this gene is a nuclear target for the ras-raf-MAPK signaling cascade. This gene produces multiple isoforms by using alternative translational start codons and by alternative splicing. Related pseudogenes have been identified on chromosomes 7 and 14.
Molecular Mass	73163 Da
AA Sequence	MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSRIAYSKDFE TLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA FPKLVCFKKRIEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDPMGHHHHH

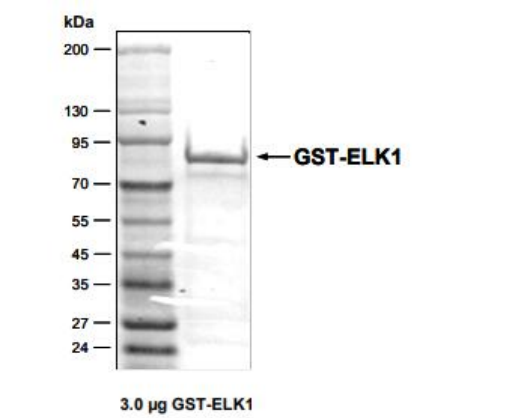
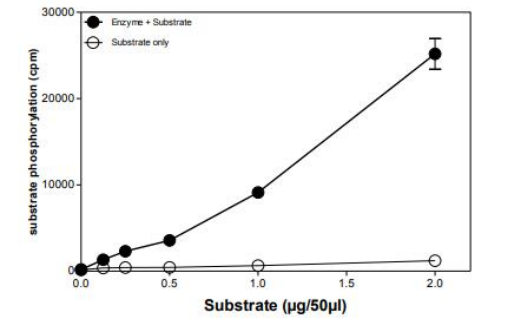
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	HGRDSLEVLFQGPLAMDPSVTLWQFLLQLLREQGNGHIISWTSRDGGEFKLVDAEE VARLWGLRKNKTNMNYDKLSRALRYYYDKNIIRKVSGQKFVYKFVSYPEVAGCSTE DCPPQPEVSVTSTMPNVAPAAIHAAPGDTVSGKPGTPKGAGMAGPGGLARSSRNE YMRSGLYSTFTIQSLQPQPPPHPRPAVVLPSAAPAGAAAPPSGSRSTSPSPLEACLE AEEAGLPLQVILTPPEAPNLKSEELNVEPGLGRALPPEVKVEGPKEELEVAGERGFV PETTKAEPEVPPQEGVPARLPAVVMDTAGQAGGHAASSPEISQPQKGRKPRDLELP LSPSLLGGPGPERTPGSGSGSGLQAPGPALTPSLLPTHTLTPVLLTPSSLPPSIHFW STLSPIAPRSPAKLSFQFPSSGSAQVHIPSISVDGLSTPVVLSPGPQKP
Applications	ELK1 has been validated for use as substrate in radiometric in-vitro kinase activity assays.
Storage	At -80 centigrade For complete recovery, mix well and spin before use. Product must not be stored in diluted solutions, aliquots below 10µl are not advisable. Avoid repeated freeze-thaw cycles!
Concentration	0.303 µg/µL (Bradford method using BSA as standard protein)
Storage Buffer	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 20 % glycerol

GENE INFORMATION

Gene Name	ELK1 ETS transcription factor ELK1 [Homo sapiens (human)]
Official Symbol	ELK1
Synonyms	ELK1; ETS transcription factor ELK1; ETS domain-containing protein Elk-1; ELK1, ETS transcription factor; ELK1, member of ETS oncogene family; ETS-like gene 1;

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	tyrosine kinase (ELK1) oncogene
Gene ID	2002
mRNA Refseq	NM_005229.4
Protein Refseq	NP_005220.2
MIM	311040
UniProt ID	P19419
SDS-PAGE	
Radiometric filter binding assay	

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