

## Product datasheet for SC118912

### ELK4 (NM\_001973) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELK4 (NM_001973) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELK4
Synonyms:	SAP1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



[View online »](#)

## Fully Sequenced ORF:

>OriGene sequence for NM\_001973 edited  
GAATTCGGCACGAGGCCGCGGAGGGCCTGGCAGGCCCGCCGCTGCAAGGAACGCCCCGA  
ACGCGCGCGCCCGGCGTGTAGCGGCCCAAGACCCGCGCCGCGCTGCCGCGTGCAGGGG  
CGGGTAGGGCGGGCGCCAGGAGCCGCGCGGGGAGATGCGGGCGGCTGCCGGCACCC  
GGCGGGCTCGGCTTGCCCGCCCGCCTTCTACGGCTCCGCCGCGGGGTGCGAGCGGT  
GCCGCGCCGTCTCGAGTTTCCAGCGTGAGGAGGAGCTGAGGGCGGAGAGGCGCATCGT  
GTTTCGAGCGGAGACCGAGGGGGAGCCCGCGCGGGCGTGCCTATTGCTATGGACAGT  
GCTATCACCTGTGGCAGTTCTTCTCAGCTCCTGCAGAAGCCTCAGAACAAGCACATG  
ATCTGTTGGACCTCTAATGATGGCAGTTTAAAGCTTTTGAGGCAGAAAGAGGTGGCTCGT  
CTCTGGGGGATTGCAAGAACAAGCCTAACATGAATTATGACAACTCAGCCGAGCCCTC  
AGATACTATTATGTAAAGAATATCATCAAAAAAGTGAATGGTCAGAAGTTTGTGTACAAG  
TTTGTCTTATCCAGAGATTTTGAACATGGATCCAATGACAGTGGCAGGATTGAGGT  
GACTGTGAAAGTTTAACTTCAGTGAAGTCAGCAGCAGTCCAAAGATGTGGAGAATGGA  
GGGAAAGATAAACACCTCAGCCTGGTGCCAAGACCTTAGCCGCAATGACTACATACAC  
TCTGGCTTATATTCTTCACTTACTCTCACTCTTTGAACTCCTCCAATGTAAGCTTTTT  
AAATTGATAAAGACTGAGAATCCAGCCGAGAACTGGCAGAGAAAAAATCTCCTCAGGAG  
CCCACACCATCTGTCATCAAATTTGTCACGACACCTTCCAAAAAGCCACCAAGTTGAACCT  
GTTGCTGCCACCATTTCAATTGGCCCAAGTATTTCTCCATCTTTCAGAAGAACTATCCAA  
GCTTTGGAGACATTGGTTTCCCAAACTGCCTTCCCTGGAAGCCCAACCTCTGCCTCT  
AACGTAATGACTGCTTTTGCACCACACCACCCATTTTCGTCATACCCCTTTGCAGGAA  
CCTCCAGAACACCTTACCACCACTGAGTTCTCACCCAGACATCGACACAGACATTGAT  
TCAGTGGCTTCTCAGCCAATGAACTTCCAGAGAATTTGCTACTGGAGCCTAAAGACCAG  
GATTTCAGTCTTGTAGAAAAGGACAAAAGTAAATAATTCAAGATCCAAGAAACCCAAA  
GGGTTAGAACTGGCACCCACCTTGTGATCACGAGCAGTGATCCAAGCCCACTGGGAATA  
CTGAGCCCATCTCCTACAGCTTCTTACACCAGCATTTTTTTCACAGACACCCATC  
ATACTGACTCCAAGCCCTTGTCTCCAGTATCCACTTCTGGAGTACTCTCAGTCTGTT  
GCTCCCTAAGTCCAGCCAGACTGCAAGGTGCTAACACACTTTTCCAGTTTCTTCTGTA  
CTGAACAGTCATGGGCCATTCCTCTGTCTGGGCTGGATGGACCTTCCACCCCTGGCCCA  
TTTTCCCAGACCTACAGAAGACATAACCTATGCACCTGTGGAATGAGAGAACCAGGAA  
CGAAGAAACAGACATTCAACATGATTGCATTTGAAAGATGGAGTCTTGGTGTGTACCCA  
GGGTGGACTCAAACCTCCCGGGCTCAAGTATCCTCCTGCCTCAGCCTCCTGCATAGCTGG  
GCTACAGGCATGCACCACACCTGGCTTAGTAACTCTTTTAAATGTTTGTGTTGTCAC  
AGTACGTTTGTGATGTTATATTGCTCATGGCATACTTTATGTGTTGCAACAAAGGTGGAA  
ATTTCCATTGATTTTTTTTTTTTTAAATGTATGCACAAACAATCTGGATTTTGGAGGT  
ACGGTCAGGAAAAAAAAAAGAATTAGAGGCCCTTGAAGGTCAACCGTAAGCTTCTTA  
GAGTTAAAXXXXXXXXXXXXXGGTAGTAAAGACATGCAAGAGTGCTTTCTTCAAACC  
TGTCAGCTCAACTGAGAAGACAGTTACTTATTGCTTATTTTTCCCTTGTTTTATTGAA  
ATCTGTATCTCATATCCAGTATCTAACACTTTGTAGAGATACTTACATATAATGTAAGTG  
CACACCTACCCAGAGGAATGGATAACTGTTAAAGTGTTAATAATAGCTCGTCTTAGTTGA  
TTTCAGCATAAATTTACATTAGGGAGACCTAAAAAGCACCTTCAAAGTATTAAGACACCT  
TTTTTTTTTCTTTTCTAAAAAGCAATTAATAATGGTCACTGCTAACATTTATTAACCT  
TCATGTTAGTTGATGAAACAGCTGGAGGGAAGCTGCCACATCTCCTAGCTAAGCAGTCTG  
ACTTACCTGTTGGGAAACAAAGGATAATTGCTCTAAGATTGATTAGGATGATTGTAGCTA  
GAGTCTTGAATCTATCTGTATACGGCAGAGAACTTTATAGAGTGTAGAGAGGTGAGCG  
AAAGGATGCAAAAGCACTTTGAGGGCTTATAATAATATGCTGCTGAAAAAAAAAATGT  
GTAGTTGATACTCAGTGCATCTCCAGACATAGTAAGGGGTTGCTCTGACCAATCAGGTGA  
TCATTTTTTCTATCACTCCCAGTTTTATGCAAAAATTTGTTAAATTTCTATAATGGTG  
ATATGCATCTTTTAGAAAGATATACATTTTTAAAAATCTATTTTATGTAAGAACTGACA  
GAGGAATTTGCTTTGATAATGCAGGCTGGCTTACAAAAGCACTGTAGCAAATTTACTA  
CAAGTCTAAAAGTATACATATATGTTAATAGATATATGTGCAACTAGATATGGACAGCAG  
TXXXXXXXXXXXXCTCGAC

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_001973 unedited TGCAACATTATGGTAATACGACTCACTATAGGGCGGCCGCGAAATTCGCACGAGGCCGCG GAGGGCCTGGCAGGCCCGCCGCTGCAAGGAACGCCCGAACGCGCGCGCCCGGCGTGTA GCGGCCCAAGACCCGCGCCGCGCTGCCGCGTGCGGGGGCGGGTAGGGCGGGGCGCCAG GAGCCGCGGCGGGGAGATGCGGGCGGCTGCGGGCACCCGCGGGCTCGGCTTGCCCGC CGCCGCTTCTACGGCTCCGACGCGGGGTGCGAGCGGCTGCCGCGCCGCTCCTCGAGTTT CCAGCGTGAGGAGGAGGCTGAGGGCGGAGAGGCGCATCGTGTTCTAGGCGGAGACCGGAGG GGGAGCCCCACGCGCGGGTCCGCTCATTGCTATGGACAGTGCTATCACCTGTGGCAGTA CCTTCTCAGCTTCTGCAGAAGCCTCAGAACAAGCACATGATCTGTTGGACCTCTAATGA TGGGCAGTTTAAGCTTTTGCAGGCAGAAGAGGTGGCTCGTCTCTGGTGGATTTCGCAAGAA CAAGCCTAACATGAATTATGACAACTCAGCCGAGCCCTCATATACTATTATGTCAAGAA TATCATCAAAAAGTGAATGGTCATAAGTTTGTGTACAAGTTTGTCTTATCCAGAGAT TGTGAACATGGATCCAATGACAGTGGGCAGGATTGAGGGTACTGTGAAAGTTAACTTC AGTGAAGTCAAGTCAAGTCCAAAGATGTGGAGAATGGATGAAAGATTAACACCTCAG CCTGGTGCCTAGACCTCTATCCTGAATGACTACATACACTCTGGCTTATATTCTTCATTT ACTCTCAACTCTATGAACTGCTCCAAGTGAAGCTTTTCAAATTGATAAAGACTGAGAATC CAGGCCAGAACTGGCTGAGAAAATCTCCTGNAGAGCCAACACCATCTGTCATCAATTT GTTACGACCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001973
<b>Insert Size:</b>	7440 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>RefSeq:</b>	<a href="#">NM_001973.2</a> , <a href="#">NP_001964.2</a>
<b>RefSeq Size:</b>	3034 bp
<b>RefSeq ORF:</b>	1296 bp
<b>Locus ID:</b>	2005
<b>UniProt ID:</b>	<a href="#">P28324</a> , <a href="#">A0A024R985</a> , <a href="#">Q8IXL1</a>
<b>Domains:</b>	ETS
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	MAPK signaling pathway

**Gene Summary:**

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 reponse element in the promoter of the c-fos proto-oncogene. The protein encoded by this gene is phosphorylated by the kinases, MAPK1 and MAPK8. Several transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (a) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.