

## Product datasheet for **SC321905**

### ELK4 (NM\_021795) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELK4 (NM_021795) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELK4
Synonyms:	SAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_021795.2  
 GGAGCCCCGCGCGCGCGTCTGCTCATTGCTATGGACAGTGCTATCACCTGTGGCAGTTC  
 CTTCTTACAGTCTCTGCAGAAGCCTCAGAACAAGCACATGATCTGTTGGACCTCTAATGAT  
 GGGCAGTTTAAGCTTTTGCAGGCAGAAGAGGTGGCTCGTCTCTGGGGGATTTCGCAAGAAC  
 AAGCCTAACATGAATTATGACAACTCAGCCGAGCCCTCAGATACTATTATGTAAAGAAT  
 ATCATCAAAAAAGTGAATGGTCAGAAGTTTGTGTACAAGTTTGTCTTATCCAGAGATT  
 TTGAACATGGATCCAATGACAGTGGCAGGATTGAGGGTACTGTGAAAGTTTAAACTTC  
 AGTGAAGTCAGCAGCAGTTCCAAAGATGTGGAGAATGGAGGGAAAAGATAAACCACCTCAG  
 CCTGGTGCCAAGACCTCTAGCCGCAATGACTACATACTCTGGCTTATATTCTTCATTT  
 ACTCTCAACTCTTTGAACTCCTCCAATGTAAAGCTTTTCAAATTGATAAAGACTGAGAAT  
 CCAGCCGAGAAACTGGCAGAGAAAAATCTCTCAGGAGCCACACCATCTGTCATCAA  
 TTTGTCACGACACCTTCCAAAAAGCCACCGTTGAACTGTTGCTGCCACCATTTCAATT  
 GGCCCAAGTATTCTCCATCTTCAGAAGAACTATCCAAGCTTTGGAGACATTGGTTTCC  
 CCAAAACTGCCTCCCTGGAAGCCCAACCTCTGCCTCTAACGTAATGACTGCTTTTGGC  
 ACCACACCACCCATTTTCCTCATACCCCTTTGCAGGAACCTCCAGAACACCTTACCA  
 CCACTGAGTTCTACCCAGACATCGACACAGACATTGATTCAGTGGCTTCTCAGCCAATG  
 GAACTTCAGAGAATTTGCACTGGAGCCTAAAGACCAGGATTAGTCTTGTAGAAAAG  
 GACAAAGTAAATAATTCATCAAGATCCAAGAAACCCAAAGGGTTAGAAGTGGCACCACCC  
 CTTGTGATCACGAGCAGTGATCCAAGCCACTGGGAATACTGAGCCCATCTCTCCCTACA  
 GCTTCTCTTACACCAGCATTTTTTTCACAGGTAGCTTGTCTCGCTCTTATGGTGTACCA  
 TTGCTTTCATTTATTTGCCCTTTAAGCAAATCCAGAATTTATACACTCAAGTTTGCCTT  
 CTGTACTTAGGTTTGTCTTAGAAAGTTATGTGTGACTGTCATGTGAAAGTTACCCCAT  
 TTCTCATCTTAATTAGGATTGCTAAAATAGAAAGTTTGGAGATTTTCTTAAAAAATTC  
 TTGTTCTACAAGTAAATAAATATTTTGTATTTTCTATTTCTCCTAAAGAAAGTACACAC  
 ACTCTCTCGCTCTCTCTCGGTCTTATAAACTCGTTGGTGTCTTATAAAACAAACAGTGA  
 TAATCTCAAGTTAGAAAACAGTAGGTCCTGAGAACCATAAGAAAATGACTGGTGTGATG  
 TTGAGTAAACAAGTTGGTACAGTACTTTAGCTATTTATTAAGTGGTCTCATCTCATAGAAC  
 ATTTTAATAGATTTTTCACACACCTCATTATTAATAAAAAAACAAACATGCTGGTGTCTTG  
 GTTACCCATTATCCTCTGTACCTGAATTCAGGTTGGTTTTTCTATTTGGAAAAGACTTT  
 ATAAATGTTGGCTTAAAAAGAGGTTGAGCACCAGAATCTCAGAATTTACCACCAAAGAAC  
 TCATCCATGTAACCAAAAACCACTTGTACCCCAAAAACCTATTGAAATAAAAATTTAAAA  
 AATTAATAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_021795

**OTI Disclaimer:** 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_021795.2](#), [NP\\_068567.1](#)

**RefSeq Size:** 3077 bp

**RefSeq ORF:** 1218 bp

**Locus ID:** 2005

**UniProt ID:** [P28324](#)

**Cytogenetics:** 1q32.1

**Domains:** ETS

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** 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 (2) uses an alternate splice site in the 3' coding region which results in a frameshift compared to variant 1. This results in a shorter protein (isoform b) which has a shorter and distinct C-terminus compared to isoform a.