

Product datasheet for SC116859

ELK3 (NM_005230) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELK3 (NM_005230) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELK3
Synonyms:	ERP; NET; SAP-2; SAP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116859 sequence for NM_005230 edited (data generated by NextGen Sequencing)

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ATGGAGAGTGCAATCACGCTGTGGCAGTTCCTGTTGCAGTTGCTGCTGGATCAGAAACAT
GAGCATTGATCTGCTGGACCTCGAACGATGGTGAATTCAGCTCCTCAAAGCAGAAGAA
GTGGCCAAGCTGTGGGACTCCGAAAAACAAAACAAATATGAATATGATAAGCTGAGC
AGAGCCCTGCGATACTATTATGACAAGAACATCATCAAGAAGGTGATCGGGCAGAAGTTT
GTGTACAAGTTTGTCTCTTTCCCGGAGATCCTGAAGATGGATCCTCACGCGGTGGAGATC
AGCCGGGAGAGCCTTCTGCTGCAGGACAGCGACTGCAAGGCGTCTCCGGAGGGCCGCGAG
GCCACAAACACGGCCTGGCCGCCCTCAGAAGCAGAGCCGCAACGAATACATCCACTCA
GGCCTGTACTCGTCTTACCATTAATTCCTGCAGAACCACCAGACGCCTTCAAGGCC
ATCAAGACGGAGAAGCTGGAGGAGCCGCCGAAGACAGCCCCCGTGGAGAAGTCAGG
ACTGTGATCAGGTTTGTGACCAATAAAACCGACAAGCACGTACCAGGCCGGTGGTGTCC
CTGCCTTCCACGTGAGAGGCTGCGGCGGCGTCCGCCCTTCTGGCCTCGTCCGTCTCGGCC
AAGATCTCCTCTTAATGTTGCCAAACGCTGCCAGTATTCATCCGCCTCACCTTCTCA
TCTCGGTCCCCGTCCCTGTCCCCAACTCACCCCTCCCTTCTGAACACAGAAGCCTTTC
CTGGAGGCCGCTGCCATGACTCCGATTCCTGGAGCCCTTGAACCTGTCATCGGGCTCC
AAGACCAAGTCTCCATCTTCCCCAAAGGCCAAAAACCCAAAGGCTTGGAAATCTCA
GCGCCCCCGCTGGTGTCTCCGGCACCGACATCGGCTCCATCGCCCTCAACAGCCCAGCC
CTCCCCCGGGATCCCTCACCCAGCCTTCTTACCAGCACAGACCAAAATGGATTGCTT
CTGACTCCGAGTCCACTGCTCTCCAGCATACATTTCTGGAGAGCCTTAGTCCAGTTGCT
CCGCTGAGTCTGCCAGGCTGCAAGGGCCAAGCACGCTGTTCCAGTTCCCCACACTGCTT
AATGGCCACATGCCAGTGCCAATCCCCAGTCTGGACAGAGCTGCTTCTCCAGTACTGCTT
TCTTCAAATCTCAGAAATCCTGA

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Clone variation with respect to NM_005230.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005230 unedited
 NGGTCATTCCGGCGCCCGTTGCCGATTGGGCGGTAGGCGGTACGGTGGGAGGTCTATA
 TAAGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGC
 CGCGAATTCGGCACGAGGCAGCCGCGGGCGGGGCGCGCGGGGCGGAAAAGCCTGT
 TTACACAGACTGCACACCGCCTGGGGAATAATGCAGTAAAGGAAGTGAGCCGGCTCGGCC
 TGACTGCTCCAATTCTGTCTCACACACACCAGAGGGGAAAAAAAAAGAGGAGCGAGA
 GAAAGAAAAAAAAAGGGGAAAAATCAGGATCTCATTACAAGAGCCACAGACCGTCTGCAGA
 CGCTGTGAGCATGGAAGTCGGGGCTTTCGCCGGGTCTCCTAGAAATTCGCCCGA
 AGAAGACTCCCCACATCTGGGTATGGAGAGTGAATCACGCTGTGGCAGTTCCTGTTGC
 AGTTGCTGCTGGATCAGAAACATGAGCATTGATCTGCTGGACCTCGAACGATGGTGAAT
 TCAAGCTCCTCAAAGCAGAAGAAGTGGCCAAGCTGTGGGACTCCGAAAAACAAAAA
 ATATGAACTATGATAAGCTGAGCAGAGCCCTGCGATACTATTATGACAAGAACATCATCA
 AGAAGGTGATCGGCAGAAAGTTTGTGTACAAGTTGTCTTTCCCGGAGATCCTGAAGA
 TGGATCCTCACGCGGTGGAGATCAGCCGGGAGAGCCTTCTGCTGCAGTACAGCGACTGCA
 AAGCGTTCTCGAAGGCCGCGAGCCCAACAACACGGCCCTGTCTCCTCAAAGCACCA
 ACCGCCACGAATCTTCCACTCAGGCTGTACTGTTCTTACCATTAATTTCTGCGGA
 ACCACCAGAACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005230 unedited
 CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTATAACAATGTTTATTGTCTAAATATG
 GCTTAGTTTATTATAAAAAACATTACTTGGACATTTACTGAATTCAGTTCAAAAGAGGTT
 CTAAGGCAATTTTATAACAATTGAAAGTAAAACAAAACGTGATATATGCTTTCATATTGC
 CCACTGGTGAAAAATAATGAAATTTCTACTAGAGAGCTGTTTGATACTAATTTTCATCTTT
 CAAACATTTCTCTTAATACTAAAAATATATAAATCATTCAATTTACATTAATGCGAAG
 GAAGGCACAACCTGGTTATAGTCTATATAAGCACACAGTTTATCATACTCAGAACTAAAGA
 GAAAAAGCTTCACATCCTTATTAGTTATACTGAAACCATTAAGAAAAGTTCTTCACTG
 TCAACAGTGTTCAACACTTAAGAGCTAAAAGGATATAAAAAACAAAACATTAATTTAC
 TTAATGCCAAACAGATTTTCATATATACTTGAATATATCAAAAACAGTTTTTAAATGCT
 AACATAAATCTAGACTATCCATGTTATGAAAAGTGCAAACCAATTAACAAGAGTTTCAC
 AATGTCCTTCTCACGACACAGGTAACAGCCCGTGGGGACAAATTTGTTTCATCAGTTA
 ATGAGTCTTAATTGTGGCCAGAGCTCATCAGGATTTCTGAGAGTTTGAAGAAAGCAGTA
 CTGGAGAATCAGCTCTGTCCAGACTGGNGATTGGCACTGGCATGTGCCATTAGCAGTGT
 GGGAACTGGGACAGCGTCTTGCCCTTGACGCTGNCAGGACTCANCGGAGGCACTGG
 ACTATAGCTGCTNCANAATAGTATGCTGGAATCACTGGACCTCGAGTCAAAATCATTCC
 TTTGTGCTGGCCGGAAATAAGCTGGGTGAGGTATCCCAAGGAGGGCTGGCTTTAAGGCC
 AGAACCCATTCCGTCCCAGAACACCCCGGGCCCTAATTTCAACCTTG

Restriction Sites:

NotI-NotI

ACCN:

NM_005230

Insert Size:

2390 bp

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).

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:	<ol style="list-style-type: none">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:	<u>NM_005230.2, NP_005221.2</u>
RefSeq Size:	2180 bp
RefSeq ORF:	1224 bp
Locus ID:	2004
UniProt ID:	<u>P41970</u>
Cytogenetics:	12q23.1
Domains:	ETS
Protein Families:	Transcription Factors
Gene Summary:	<p>This gene encodes a member of the ETS-domain transcription factor family and the ternary complex factor (TCF) subfamily. Proteins in this subfamily regulate transcription when recruited by serum response factor to bind to serum response elements. This protein is activated by signal-induced phosphorylation; studies in rodents suggest that it is a transcriptional inhibitor in the absence of Ras, but activates transcription when Ras is present. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and 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.</p>