

Product datasheet for **RG203114**

ELK3 (NM_005230) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ELK3 (NM_005230) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ELK3
Synonyms: ERP; NET; SAP-2; SAP2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203114 representing NM_005230
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAGTGCAATCACGCTGTGGCAGTTCCTGTTGCAGTTGCTGCTGGATCAGAAACATGAGCATTGGA
 TCTGCTGGACCTCGAACGATGGTGAATTCAGCTCCTCAAAGCAGAAGAAGTGGCCAAGCTGTGGGGACT
 CCGAAAAACAAAACAAATATGAACTATGATAAGCTGAGCAGAGCCCTGCGATACTATTATGACAAGAAC
 ATCATCAAGAAGGTGATCGGGCAGAAGTTGTGTACAAGTTGTCTTTCCCGGAGATCCTGAAGATGG
 ATCCTCACGCGGTGGAGATCAGCCGGGAGAGCCTTCTGCTGCAGGACAGCGACTGCAAGGCGTCTCCGGA
 GGGCCGCGAGGCCCAAAACACGGCCTGGCCGCCCTCAGAAGCAGGAGCCGCAACGAATACATCCACTCA
 GGCTGTACTCGTCTTACCATTAATTCCTGCAGAACCACAGACGCTTCAAGGCCATCAAGACGG
 AGAAGCTGGAGGAGCCGCCGAAGACAGCCCCCGTGGAAAGAAGTCAGGACTGTGATCAGGTTTGTGAC
 CAATAAACCGACAAGCACGTCACCAGGCGGTGGTGTCCCTGCCTTCCACGTCAGAGGCTGCGGGCGCG
 TCCGCTTCTGGCCTCGTCCGTCTCGGCAAGATCTCCTCTTAATGTTGCCAAACGCTGCCAGTATTT
 CATCCGCTCACCTTCTCATCTCGTCCCCGTCCCTGTCCCCAACTCACCCCTCCCTTCTGAACACAG
 AAGCCTTCTCTGGAGGCCGCTGCCATGACTCCGATTCCTGGAGCCCTTGAACCTGTATCGGGCTCC
 AAGACCAAGTCTCCATCTTTCCCCAAAGGCCAAAAACCCAAAGCTTGGAAATCTCAGCGCCCCGCG
 TGGTGTCTCCGGCACCGACATCGGCTCCATCGCCCTCAACAGCCAGCCCTCCCTCGGGATCCCTCAC
 CCCAGCCTTCTTACCAGCACAGACACCAATGGATTGCTTCTGACTCCGAGTCCACTGCTCTCCAGCATA
 CATTCTGGAGCAGCCTTAGTCCAGTTGCTCCGCTGAGTCTGCCAGGCTGCAAGGGCCAAGCACGCTGT
 TCCAGTCCCCACACTGCTTAATGGCCACATGCCAGTCCCAATCCCCAGTCTGGACAGAGCTGCTTCTCC
 AGTACTGCTTTCTCAAACCTCTCAGAAATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203114 representing NM_005230
 Red=Cloning site Green=Tags(s)

MESAITLWQFLLQLLLDQKHEHLICWTSNDGEFKLLKAEVAKLWGLRKNKTNMNYDKLSRALRYYYDKN
 IIKKVIQQKFVYKFVFSFPEILKMDPHAVEISRESLLLQSDCKASPEGREAHKHGLAALRSTSRNEYIHS
 GLYSSFTINSLQNPDAFKAIKTEKLEPPEDSPPVVEVRTVIRFVTNKTDKHVTVPVSLPSTSEAAAA
 SAFLASSYSAKISSMLPNAASISSASPFSSRSPSLSPNSPLPSEHRSLFLEAACHDSDSLEPLNLSGS
 KTKSPSLPPKAKPKGLEISAPPLVLSGTDIGSIALNSPALPSGSLTPAFFTAQTPNGLLLTPSPLSSI
 HFWSSLSPVAPLSPARLQGPSTLFQFPTLLNGHMPVPIPSLDRAASPVLLSSNSQKS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005230

ORF Size: 1221 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_005230.4](#)

RefSeq Size: 2180 bp

RefSeq ORF: 1224 bp

Locus ID: 2004

UniProt ID: [P41970](#)

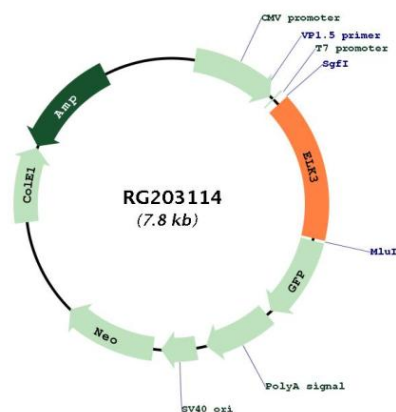
Cytogenetics: 12q23.1

Domains: ETS

Protein Families: Transcription Factors

Gene Summary: 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]

Product images:



Circular map for RG203114