

Product datasheet for MR206430

Elk3 (NM_013508) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elk3 (NM_013508) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elk3
Synonyms:	D430049E23Rik; Erp; Etrp; Net; Sap-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206430 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGTGCAATCACGCTGTGGCAGTTCCTCTTGCACTTGCTGCTGGACCAGAAACATGAGCACCTCA
TCTGCTGGACATCGAACGATGGCGAGTTCAAGCTCCTCAAGGCAGAAGAAGTGGCCAAGCTGTGGGGCCT
CCGCAAGAACAAGACCAACATGAACTACGACAAGCTGAGCAGAGCGCTGAGATACTATTACGACAAGAAC
ATCATCAAGAAAGTGATCGGGCAGAAGTTGTGTACAAGTTCGTCTTTCCCGGATATCCTGAAAAATGG
ATCCTCACGCGGTAGAGATCAGCCGGGAGAGCCTCCTGCTGCAGGACGGCGACTGTAAGGTGTCCCGGA
AGGCCGAGAGGTCCACAGGCACGGCTTGTCTCCCTCAAAAGTGCCAGCCGCAACGAGTACTCCACTCG
GGCCTCTACTCGTCTTACCATCAACTCCCTGCAGAACGCTCCAGAGGCCTTCAAGGCCATCAAGACGG
AGAAGCTGGAGGAGCCCTGTGATGACAGCCCCCTGTGGAAGAAGTCAGGACTGTGATCAGGTTTGTGAC
CAATAAAACCGACAAGCACATCACCAGGCCTGTGGTGTCCCTGCCTTCCACATCCGAGACCGCTGCGGCA
GCGGATCCGCTTCTGGCCTCGTCTGTCTCAGCCAAGATCTCCTCTTAAATGTTGCCAAATGTGCCA
GCGTTTCGTCTGCGTCACCCTTTCATCTCGGTCCCCATCCCTGTCCCCGACTCTCCCTCCCTTCTGA
ACACAGAAGCCTTCTTGGAGGCAGCCTGCCATGAGTCGGATTCTCTGGAGCCCTGAAATCTGTGATCG
GGCTCCAAAACCAAGTCTCCATCTTCCCCAAAAGGCCAAAACCAAGGCTTGGAAATCTCTGAC
CCCAACTGTTGCTCTCCGGCACCAGACATCGGCTCCATCGCCCTCAACAGCCCAGCCCTCCCTCAGGATC
CCTCACTCCAACCTTCTTACCAGCACAGACACCAAGTGGACTGTTTCTGGCCTCGAGTCCGCTGTGCC
AGCATACACTTCTGGAGCAGTCTTAGTCCGGTCCGCCCAGTGGTCCCAGGCTGCAAGGGCCGAACA
CACTTTCCAGTTCACACTGCTCAACGGTCACATGCCGGTCCGCTCCCCAGTCTGGACAGAGCTCC
ATCCCCAGTTCGCTGTCCCCAGCTCTCAGAAATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206430 protein sequence
Red=Cloning site Green=Tags(s)

MESAITLWQFLHLLLDQKHEHLICWTSNDGEFKLLKAEVAKLWGLRKNKTNMNYDKLSRALRYYYDKN
 I IKKVIQQKFVYKVFVSPFDILKMDPHAVEISRESLLLQDGDKVSPREGVHRHGLSSLKSASRNEYLHS
 GLYSSFTINSLQNAPEAFKAIKTEKLEPCDDSPPVVEVRTVIRFVTNKTDKHITRPVVSPLPSTSETAAA
 AASAFLASSVSAKISSMLPNAASVSSASPSSSRSPSPSPSPSPSEHRSLEAACHESDSLEPLNLSS
 GSKTKSPSLPPKGGKPKGLEISAPQLLLSGTDIGSIALNSPALPSGSLTPTFFTAQTPSGLFLASSPLLP
 SIFWSSLSPVAPLSPARLQGPNTLFQFPTLLNGHMPVPLPSLDRAPSPVLLSPSSQKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_013508

ORF Size: 1230 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_013508.1](#), [NM_013508.2](#), [NP_038536.1](#)

RefSeq Size: 4234 bp

RefSeq ORF: 1230 bp

Locus ID: 13713

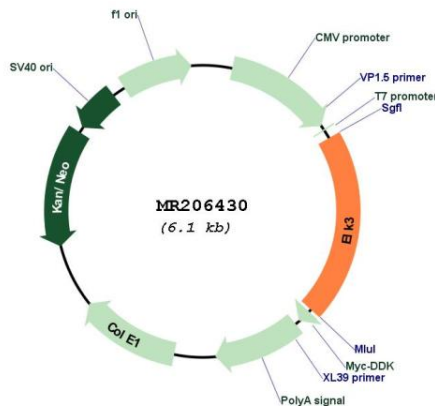
UniProt ID: [P41971](#)

Cytogenetics: 10 48.04 cM

MW: 44.4 kDa

Gene Summary: May be a negative regulator of transcription, but can activate transcription when coexpressed with Ras, Src or Mos. Forms a ternary complex with the serum response factor and the ETS and SRF motifs of the Fos serum response element.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206430