

Product datasheet for **MR206840**

Elk1 (NM_007922) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elk1 (NM_007922) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elk1
Synonyms:	Elk-; Elk-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206840 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCCATCTGTGACGCTGTGGCAGTTTCTGCTGCAGCTTCTGAGAGAACAAGGTAATGGCCACATCA
 TCTCCTGGACCTCACGGATGGTGGTGAGTTCAAGTTGGTGGATGCAGAGGAGGTGGCCCGCTATGGGG
 ACTGCGCAAGAACAAGACCAACATGAATTACGACAAGCTTAGCCGGGCCTTGCGGTACTACTATGATAAG
 AATATCATCCGCAAGGTGAGCGGCCAGAAGTTTGTCTACAAGTTTGTGTCTACCCAGAGGTTGCAGGGT
 GCTCCACTGAAGACTGCCACCCAGCCTGAGGTGTCTGTAACCTCGGCCATAGCCATGGCCCTGCTAC
 TGCCCATGCAGGCCAGGGGACACGGCCACTGAAAGCCAGGAACACCAAAGGTGCAGGAATGACAGGC
 CAAGGTGGCTTAGCACGAAGCAGCCGGAATGAATACATGCGCTCGGGCCTCTATTCTACCTTCAATAAC
 AATCCCTGCAGCCACAGCCACAGCCACCATTCTCTCGGCCTGCCTCAGTGCTTCCAACTACTACCC
 TGCAGGAGTACCAGCACCCGCTCAGGGAGCAGGAGCACCAGTCAAACCCCTTAGAAGCCTGTTTGGAA
 GCAGAAGAGGCTGGTCTGCCCTGCAGGTTATCCTAACCCACCAGAGGCCCAAACCCAGAAATCCGAAG
 AGTTGAGTCTGGACCAAGTTTTGGCCATCCACAGCCCCAGAAGTCAAAGTGGAGGGGCCAAGGAAGA
 ATTGGAAGCTGCAAGGGCTGGAGGCTTCAGTTCAGAAGCTGTCAAAGCTGAACGAGAAGTCTCAGCCTCA
 GAAGGTCTGTGGCTCGGCTCCCAGCCATCCTAACAGAGAACACAGCCAGGTGTGTGGCCTCTCCACTT
 CCACCACTGAGATCACCAACCCGAGAAGGGCCGAAAGCCTCGGGACCTGGAAGTCCACTTAGCCCAAG
 CCTGCTGGGTGGCCAGGGACCTGAACGGACTCCAGGATCAGGAACAAGCTCTGGTCTTACGGCACCGGG
 CCAGCGCTAACGCCATCCCTGCTCCCCACACATACCTTGACCCCGGTGCTGCTGACACCCAGCTCGCTGC
 CCCCTAGCATCCATTTCTGGGACTCTGAGTCCAATTGCACCCCGTAGTCCAGCCAAGCTCCTCTCCA
 GTTCCGTCCAGTGGCAGCGCACAGGTGCACATCCCTTCCATCAGTGTGGATGGCCTCTCGACCCCGTG
 GTGCTCTCCCAGGGCCCCAGAAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206840 protein sequence
 Red=Cloning site Green=Tags(s)

MDPSVTLWQFLLQLLREQNGHIIISWTSRDGGEFKLVDAEEVARLWGLRKNKTNMNYDKLSRALRYYYDK
 NIIRKVSQKQFVYKQVSYPEVAGCSTEDCPPQPEVSVTSAIAMAPATAHAGPGDTATGKPGTPKAGGMTG
 QGGLARSSRNEYMRSLYSTFTIQSLQPQPPIPPRPASVLPNTTPAGVPAPASGRSTSPNPLEACLE
 AEEAGLPLQVILTPPEAPNQKSEELSLDPFSGHPQPEVKVEGPKKEEAARAGGFSEAVKAEPEVSAS
 ELLARLPAILTENTAQVCGLSTSTTEITQPQKGRKPRDLELPLSPSLLGGQGPRTPGSGTSSGLQAPG
 PALTPSLLPHTLTPVLLTPSSLPPSIHFWSTLSPIAPRSPAKLSFQFPSSGSAQVHIPSISVDGLSTPV
 VLSPGPQKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_007922

ORF Size: 1290 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_007922.2](#)
RefSeq Size: 3548 bp

RefSeq ORF: 1290 bp

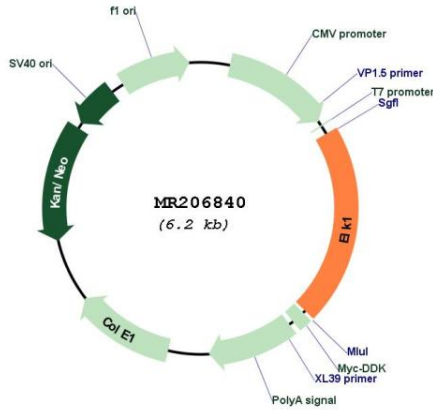
Locus ID: 13712

UniProt ID: [P41969](#)
Cytogenetics: X 16.45 cM

MW: 45.2 kDa

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 response element in the promoter of the c-fos proto-oncogene. The protein encoded by this gene is a nuclear target for the ras-raf-MAPK signaling cascade. This gene may produce multiple isoforms by the use of alternative translational start codons. [provided by RefSeq, Mar 2012]

Product images:



Circular map for MR206840