

Product datasheet for **MC208433**

Elk4 (NM_007923) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Elk4 (NM_007923) Mouse Untagged Clone
Tag: Tag Free
Symbol: Elk4
Synonyms: 2310011G17Rik; A130026I01Rik; BB162516; SAP-1; Sap1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208433 representing NM_007923
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACAGTGCCATCACTCTGTGGCAGTTCCTTCTCCAGCTCCTGCAGGAGCCTCAGAATGAGCACATGA
TCTGCTGGACATCAACAATGGGGAGTTCAAGCTTCTGCAGGCGGAGGAGGTGGCTCGTCTTTGGGGGAT
TCGCAAGAACAAGCCTAATATGAATTATGATAAACTCAGCCGAGCCCTGCGATACTACTAGTAAAGAAC
ATCATTAAAAAGTGAATGGTCAGAAGTTGTGTACAAGTTTGTCTCCTATCCAGAGATTTTGAAAATGG
ACCCACTGACGGTAGGCAGGATTGAGGGAGACTGTGAAGCTTTAAATCCATTGAAACCAGCAGTCCAA
AGATGTTGAGTATGGAGGAAAGGAGAGGCCACCTCAGCCTGGAGCCAAGACCTCTAGTCGCAATGACTAC
ATACACTCTGGTTTGTATTCTTCATTTACTCTTAACTCTCTGAACACCTCCAATAAGAAGCTTTTCAAGT
CAATAAGATAGAGAATCCAGCGGAAAACTAGCAGAGAAGAAAGCCAGGAGCCAACACCGTCCGTCAT
CAAATTTGTGACAACGCCTGCCAAAAAGCCGCCATCGAGCCTGTGCTGCTGCCCTTGAACGAGCCCT
AGTCTTTCTCCATCTTCTGAAGAACTATCCAAGCTTTGGAGACATTAGTCTCTCCACACTACCTTCCC
TGGAACCCAGCCTCCATATCCATTCTGGCTACCACCTTTAACCCCACTCCTCCGGTCCATCCACACC
CCTTCTCTAAAGGAGCCTCCCAGGACACTTCTCCACCACTGAGTTCTAACCCAGACATTGACACAGAC
ATTGAGTCAGTGGCTTCTCAGCCAATGGAACCTCCAGAGAACTTACTGAGGAGCCTAAAAATGAGGATT
CAGCTTTGCCAGAAAAGGACAAAACAAATAACTCATCAAGATCTAAGAAGCCAAAGGGTTAGAAGTAC
ACCCGCCCTTGTGGTACAGGCAGTGACCCAGCCCTTGGGGATCCTAAGCCCATCTCTCCGACAGCG
TCTTTACACCAGCACTTTTTACAGACTCCCATCTTGCTGACTCCGAGCCCTTGCTCTCCAGCATCC
ACTTTTGGAGCACTCTCAGCCGTTTGTCCCTTGAGCCAGCCAGACTGCAAGGTGCTAATACGCTTTT
CCAGTTCCCTCTGTACTCAACAGTCATGGCCGTTCACTCTGTCAGGCCGACGGACCTTCCACTCCG
GGCCATTTTCTCCAGACTGCAGAAGACATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_007923
Insert Size:	1293 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:	NM_007923.2 , NP_031949.2
RefSeq Size:	3671 bp
RefSeq ORF:	1293 bp
Locus ID:	13714
UniProt ID:	P41158
Cytogenetics:	1 E4
Gene Summary:	Involved in both transcriptional activation and repression. Interaction with SIRT7 leads to recruitment and stabilization of SIRT7 at promoters, followed by deacetylation of histone H3 at 'Lys-18' (H3K18Ac) and subsequent transcription repression. Forms a ternary complex with the serum response factor (SRF). Requires DNA-bound SRF for ternary complex formation and makes extensive DNA contacts to the 5'side of SRF, but does not bind DNA autonomously (By similarity).[UniProtKB/Swiss-Prot Function]