

Product datasheet for **MC225883**

Elk3 (NM_001282967) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Elk3 (NM_001282967) Mouse Untagged Clone

Tag: Tag Free

Symbol: Elk3

Synonyms: D430049E23Rik; Erp; Etrp; Net; Sap-2

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC225883 representing NM_001282967
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGAGTGAATCACGCTGTGGCAGTTCCTCTTGCACTTGCTGCTGGACCAGAAACATGAGCACCTCA
TCTGCTGGACATCGAACGATGGCGAGTTCAAGCTCCTCAAGGCGGAAGAAGTGCCAAGCTGTGGGGCCT
CCGCAAGAACAAGACCAACATGAACACGACAAGCTGAGCAGAGCGCTGAGATACTATTACGACAAGACA
CCAAGTGGACTGTTTCTGGCCTCGAGTCCGCTGCTGCCAGCATACTTCTGGAGCAGCCTTAGTCCTG
TCGCCCCACTGAGTCTGCCAGGCTGCAAGGGCCGAACACACTTTCCAGTCCCCACACTGCTCAACGG
TCACATGCCGGTGCCGCTCCCCAGTCTGGACAGAGCTCCATCCCCAGTTCTGCTGTCCCCAGCTCTCAG
AAATC**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001282967

Insert Size: 429 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001282967.1</u> , <u>NP_001269896.1</u>
RefSeq Size:	3433 bp
RefSeq ORF:	429 bp
Locus ID:	13713
Cytogenetics:	10 48.04 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) lacks exon 3, but maintains the reading frame compared to variant 1. The resulting isoform (Elk3d) lacks an internal protein segment compared to isoform Elk3. Unlike isoform Elk3, this isoform is predominantly localized in the cytosol and has been shown to activate transcription (PMID:20304071). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>