

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
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225883 representing NM_001282967
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGAGTGAATCACGCTGTGGCAGTTCCTCTTGCACTTGCTGCTGGACCAGAAACATGAGCACCTCA
TCTGCTGGACATCGAACGATGGCGAGTTCAAGCTCCTCAAGCGGAAGAAGTGGCCAAGCTGTGGGGCCT
CCGCAAGAACAAGACCAACATGAACTACGACAAGCTGAGCAGAGCGCTGAGATACTATTACGACAAGACA
CCAAGTGGACTGTTTCTGGCCTCGAGTCCGCTGCTGCCAGCATACACTTCTGGAGCAGCCTTAGTCCTG
TCGCCCCACTGAGTCTGCCAGGCTGCAAGGGCCGAACACACTTTTCCAGTTCGCCACACTGCTCAACGG
TCACATGCCGGTGCCGCTCCCCAGTCTGGACAGAGCTCCATCCCCAGTTCGCTGTCCCCAGCTCTCAG
AAATCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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.
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>