

Product datasheet for MR224439

Elf3 (NM_007921) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elf3 (NM_007921) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elf3
Synonyms:	ESE-1; ESX; jen
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224439 representing NM_007921 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCACCTGTGAGATCAGCAACGTTTTTAGTAACACTTCAACGCCATGTACAGCTCAGAAGACC
CCACCCTGGCTCCTGCTCCTCCGACTACCTTTGGCACTGAAGACTTGGTGTGACCCTGAACAACCAACA
GATGACTGGAAGGTCCAGAGAAGGCAAGCTGGACTAGCGAGCGGCCAGTTCTGGTGAAGACCCAG
GTTCTGGAGTGGATCAGTACCAAGTGGAGAAGAACAAGTATGACGCCAGCTCCATCGACTTCTCCCGCT
GCGACATGGACGGAGCCACCCTCTGCAGCTGTGCGCTGGAGGAGCTGCGGCTAGTCTTTGGACCTCTGGG
AGACCAGCTCCATGCCAGCTTCGGGACCTCACCTCCAACCTTTCTGATGAACCTAGCTGGATCATCGAG
CTGCTGGAGAAGGATGGCATGTCCTTCCAAGAGAGCCTAGGCGACTCGGGCCCTTTGATCAGGGAAGTC
CTTTTGCCAGGAACCTCTGGATGATGGCCGCCAGGCCAGTCCCTACTACTGCAGTACCTATGGCCCTGG
AGCGCCCTCCCCCGGCAGCTCTGATGTCTCCACTGCAAGGACCGCTACTCCCCAGAGTTCCTCATGCTTCT
GACTCCGGTGAAGTGTGTGGACCTGGACCTCACCGAGAGCAAGGTCTTCCCTAGAGATGGCTTTCCTG
ACTATAAGAAGGGGAACCAAGCACGGGAAGAGGAAACGGGGCGTCCCAGAAAGCTGAGCAAGGAATA
CTGGGACTGTCTGGAGGGCAAGAAGAGCAAGCACGCCCCAGAGGTACTCACCTGTGGGAGTTTATCCGA
GACATCCTAATCCACCCGAGCTCAACGAAGCCCTCATGAAGTGGGAGAACCGGCAGAGGGTGTGTTCA
AGTTTCTTCGCTCAGAGGCCGTGGCCCAACTCTGGGGCCAGAAGAAGAAGAACAGCAACATGACCTATGA
GAAGCTGAGCCGAGCCATGAGGTATTACTACAACGGGAGATCCTGGAACGGGTGGATGGCCGACGGCTC
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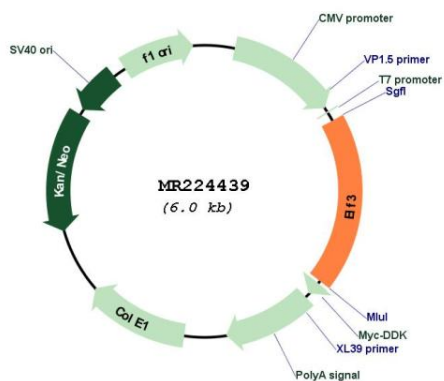
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_007921.3, NP_031947.1</u>
RefSeq Size:	1940 bp
RefSeq ORF:	1116 bp
Locus ID:	13710
UniProt ID:	<u>Q3UPW2</u>
Cytogenetics:	1 E4
MW:	42.5 kDa
Gene Summary:	<p>Transcriptional activator that binds and transactivates ETS sequences containing the consensus nucleotide core sequence GGA[AT]. Acts synergistically with POU2F3 to transactivate the SPRR2A promoter and with RUNX1 to transactivate the ANGPT1 promoter (By similarity). Also transactivates collagenase, CCL20, CLND7, FLG, KRT8, NOS2, PTGS2, SPRR2B, TGFBR2 and TGM3 promoters. Represses KRT4 promoter activity (By similarity). Involved in mediating vascular inflammation. May play an important role in epithelial cell differentiation and tumorigenesis. May be a critical downstream effector of the ERBB2 signaling pathway (By similarity). May be associated with mammary gland development and involution. Plays an important role in the regulation of transcription with TATA-less promoters in preimplantation embryos, which is essential in preimplantation development.</p> <p>[UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MR224439