

Product datasheet for RN212170

Elf3 (NM_001024768) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elf3 (NM_001024768) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Elf3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212170 representing NM_001024768 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCACCTGTGAGATCAGCAACGTTTTTAGCAACTACTTCAACGCCATGTACAGTTCAGAAGACC
CCACCCTGGCTCCTGCTCCTCTGACTACTTTTGGCACTGAAGACTTTGTGTTGACCCTGAACAACCAACA
CATGTCCCAGAAGTCCAGTAGGTTGTGTAGGACCTCAGACAAGATCCCAAAGGGACAGAAGTGGCCT
CCGGCTGTACTCCACCTTGCAGAGAAGCAAGCTGGACCGGAGAGCGGCCCCAGTTCTGGTGAAGACCC
AGGTAAGTGGATTGGATCAGCTACCAAGTGGAGAAGAACAAGTATGATGCCAGTTCATTGACTTCTCGCG
CTGCGACATGGACGGCGCCACCCTCTGCAACTGTGCGCTGGAGGAGCTGCGACTAGTCTTTGGCCCTCTG
GGAGACCAACTCCATGCCAGCTTCGGGACCTCACCTCCAGCTCTTCTGATGAAGTATAGTTGGATCATCG
AGCTGCTGGAGAAGGACGGCATGACCTTCCAAGAGGGCCTAGGAGACTCGGGTCCCTTTGACCAGGGGAA
CCCTTTTGCCAGGAGCTACTGGATGATGGCCGTAGGCCAGCCCTACTACGGCAGTTCCTATGGCCCT
GGAGCGCCCTCTCAGGTAGCTCTGATTTCTCCACTTCAGGGACCGATACTCCCCAGAGTTCCTACTCCT
CTGACTCCGGTGAAGTATGTGGACCTGGACCTCACCGATAGCAAGGTCTTCCCTAGAGATGGCTTTCC
TACTATAAAGAAGGGAGAACCCTAAGCATGGAAAGAGGAAACGGGGCGTCCCCGAAAGCTGAGCAAGAA
TACTGGGACTGTCTGGAGGGCAAGAAGGCAAGCATGCCCCAGAGGTAAGTACCTGTGGGAGTTTATCC
GGGACATTTCTTATCCACCCTGAGCTCAACGAAGGCCTCATGAAATGGGAGAACCAGGACGAGGGCGTTTT
CAAGTTTCTTCTGTTAGAGGCTGTGGCCCAACTATGGGGCCAAAAGAAGAAGATAGCAACATGACCTAT
GAGAAGCTGAGCCGGGCCATGAGGTAAGTACTACTACAAACGGGAGATCCTGGAACGGGTGGATGGCCGTCCGC
TCGTCTACAAGTTTGGCAAGAAGTCCAGTGGCTGGAAGGAAGAAGAGGTTGGAGAGAGTCAGAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001024768



[View online >](#)

Insert Size:	1188 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:	<u>NM_001024768.1</u> , <u>NP_001019939.1</u>
RefSeq Size:	1976 bp
RefSeq ORF:	1188 bp
Locus ID:	304815
UniProt ID:	<u>Q4V7E1</u>
Cytogenetics:	13q13
Gene Summary:	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. Also transactivates collagenase, CCL20, CLND7, FLG, KRT8, NOS2, PTGS2, SPRR2B, TGFBR2 and TGM3 promoters. Represses KRT4 promoter activity. 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. 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 (By similarity).[UniProtKB/Swiss-Prot Function]