

Product datasheet for **MC208432**

Elf3 (NM_007921) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Elf3 (NM_007921) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Elf3
 Synonyms: ESE-1; ESX; jen
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC208432 representing NM_007921
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCCACCTGTGAGATCAGCAACGTTTTTAGTAACTACTTCAACGCCATGTACAGCTCAGAAGACC
 CCACCTGGCTCCTGCTCCTCCGACTACCTTTGGCACTGAAGACTTGGTGTGACCCTGAACAACCAACA
 GATGACTGGAAGGTCCAGAGAAGCAAGCTGGACTAGCGAGCGCCCAAGTTCTGGTGAAGACCCAG
 GTTCTGGAGTGGATCAGCTACCAAGTGGAGAAGCAAGTATGACGCCAGCTCCATCGACTTCTCCCGCT
 GCGACATGGACGGAGCCACCTCTGCAGCTGTGCGCTGGAGGAGCTGCGGCTAGTCTTTGGACCTCTGGG
 AGACCAGCTCCATGCCAGCTTCGGGACCTCACCTCCAACCTTCTGATGAACTCAGCTGGATCATCGAG
 CTGCTGGAGAAGGATGGCATGTCCTTCCAAGAGAGCCTAGGCGACTCGGGCCCTTTGATCAGGGAAGTC
 CTTTGGCCAGGAACCTGGATGATGGCCGCAAGGCAAGTCCCTACTACTGCAGTACCTATGGCCCTGG
 AGCGCCCTCCCCGGCAGCTCTGATGTCTCCACTGCAAGGACCGCTACTCCCCAGAGTCCCATGCTTCT
 GACTCCGGTGAAGTGTGTGGACCTGGACCTCACCGAGAGCAAGGTCTTCCCTAGAGATGGCTTTCCCTG
 ACTATAAGAAGGGGAACCAAGCAGCGGAAGAGAAACGGGGCGTCCCAGAAAGCTGAGCAAGGAATA
 CTGGGACTGTCTGGAGGGCAAGAAGAGCAAGCAGCCCCAGAGGTACTACCTGTGGAGTTTATCCGA
 GACATCCTAATCCACCCGAGCTCAACGAAGGCCTCATGAAGTGGGAGAACCAGGACGAGGGTGTGTTCA
 AGTTTCTCGCTCAGAGGCCGTGGCCAACTCTGGGGCCAGAAGAAGAAGAACAGCAACATGACCTATGA
 GAAGCTGAGCCGAGCCATGAGGTATTACTACAAACGGGAGATCCTGGAACGGGTGGATGGCCGACGGCTC
 GTCTACAAGTTTGGCAAGAACTCTAGTGGCTGGAAGGAAGAAGAGGTTGGAGAGAGTCGGAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_007921



Insert Size:	1116 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_007921.3</u> , <u>NP_031947.1</u>
RefSeq Size:	1940 bp
RefSeq ORF:	1116 bp
Locus ID:	13710
UniProt ID:	<u>Q3UPW2</u>
Cytogenetics:	1 E4
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> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The resulting isoform (2) is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>