

Product datasheet for **SC323170**

ELF4 (NM_001127197) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELF4 (NM_001127197) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELF4
Synonyms:	ELFR; MEF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



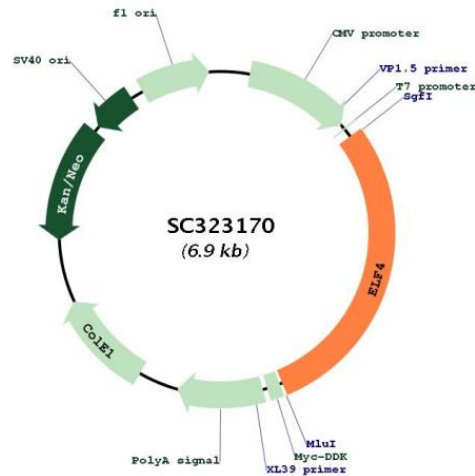
[View online »](#)

Fully Sequenced ORF: >SC323170 representing NM_001127197.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTATTACCCTACAGCCCAGTGACCTGATCTTTGAGTTCGCAAGCAACGGGATGGATGATGATC
CACCAGCTGGAAGACCCCTCTGTGTTCCAGCTGTGATCGTGGAGCAGGTACCCTACCCTGATTTACTG
CATCTGTACTCGGACTGGAGTTGGACGACGTTACAATGGCATCATAACAGACGGGACCTTGTGCATG
ACGCAGGATCAGATCCTGGAAGGCAGTTTTTGTGCTGACAGATGACAATGAGGCCACCTCGCACACCATG
TCAACCGCGAAGTCTTACTCAATATGGAGTCTCCAGCGATATCCTGGATGAGAAGCAGATCTTCAGT
ACCTCCGAAATGCTTCCAGACTCGGACCCTGCACCAGCTGCTACTCTGCCCAACTACCTGTTTCTGCC
TCTGAGCCGATGCCCTGAACAGGGCGGGTGACACTAGTGACCAGGAGGGGCATTCTCTGGAGGAGAAG
GCCTCCAGAGAGGAAAGTCCAAGAAGACTGGGAAATCAAAGAAGAGAATCCGGAAGACCAAGGGCAAC
CGAAGTACCTCACCTGCTACTGACCCAGCATCCCCATTAGGAAGAAATCAAAGGATGGCAAAGGCAGC
ACCATCTATCTGTGGGAGTTCTCTGGCTCTTCTGCAAGACAGAAACACCTGTCCCAAGTACATCAAG
TGGACCCAGCGAGAGAAAGGCATCTTCAAAGTGGTGGACTCCAAAGCTGTGTCCAAAGCTGTGGGGGAAG
CAGAAAAACAAGCCTGACATGAACTATGAGACAATGGGGCGGGCCTAAGATACTACTACAAAGAGGC
ATACTGGCCAAAGTGAAGGGCAGAGGCTGGTGTACCAGTTTAAGGAGATGCCAAAGGACCTGGTGGTC
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GCTGGACCAGCAGGGCCAGCTCTCAGCCCCCTGGGACTGTCATTGCTGCCTTCATCAGGACTTCTGGC
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GGGGCCCCATGGAGGGGCTGCTGGTTCCTGAAGAGACCCTGAGGGAGCTCCTGAGAGATCAGGCTCAT
CTTCAGCCACTTCCAACCAGGTGGTTTCCAGGGTTCACACAATCCGAGCCTTCTGGGCAACCAGACT
TTGTCTCCTCCCAGCCGCCACTGTTGGGCTGACCCAGTGGCTGAACTTGAGCTCTCCTCAGGCTCA
GGGTCCCTGCTGATGGCTGAGCCTAGTGTGACCACATCTGGGAGCCTTCTGACAAGATCCCCACCCCA
GCCCTTTCTCCCAATCAACCCTACTTCCCTCATTAAAGATGGAGCCCCATGACATAAA
ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001127197

Insert Size: 1992 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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: [NM_001127197.1](#)

RefSeq Size: 4096 bp

RefSeq ORF: 1992 bp

Locus ID: 2000

UniProt ID: [Q99607](#)

Cytogenetics: Xq26.1

Protein Families: Transcription Factors

MW: 70.7 kDa

Gene Summary: The protein encoded by this gene is a transcriptional activator that binds and activates the promoters of the CSF2, IL3, IL8, and PRF1 genes. The encoded protein is involved in natural killer cell development and function, innate immunity, and induction of cell cycle arrest in naive CD8+ cells. Two transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Jan 2010]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.