

## Product datasheet for **RC232030**

### ELF5 (NM\_001243081) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ELF5 (NM\_001243081) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ELF5  
**Synonyms:** ESE2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC232030 representing NM\_001243081  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCATCTCTGCCTCACTCCCACAGGGTAATGTTGGACTCGGTGACACACAGCACCTTCCTGCCTAATG  
 CATCCTTCTCGATCCCCTGATGTCGTGGACTGATCTGTTCAAGCAATGAAGAGTACTACCCTGCCTTTGA  
 GCATCAGACAGGTTACTCCTTTTTAATGACGCTGAAGAAAGCAAGGCCACCATCAAAGACTATGCTGAT  
 TCCAAGTCTTGAACAAGTGGCATCAAAGTCAAGACTGTCACAGTCATAGTAGAACAAGCCTCCAAA  
 GTTCTCATCTATGGGAATTTGTACGAGACCTGCTTCTATCTCCTGAAGAAAAGTGTGGCATTCTGGAAATG  
 GGAAGATAGGGAACAAGGAATTTTTCGGGTGGTTAAATCGGAAGCCCTGGCAAAGATGTGGGGACAAAGG  
 AAGAAAAATGACAGAATGACATATGAAAAGTTGAGCAGAGCCCTGAGATACTACTATAAAACAGGAATTT  
 TGGAGCGGGTTGACCGAAGGTTAGTGTACAAATTTGAAAAAATGCACACGGGTGGCAGGAAGACAAGCT  
 A

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC232030 representing NM\_001243081  
 Red=Cloning site Green=Tags(s)

MPSLPHSHRVMLDSVTHSTFLPNASFCDP LMSWTDLFSNEEYYPAFEHQTGYSFFNDAEESKATIKDYAD  
 SNLKTSGIKSQDCHSHSRTSLQSSHLWEFVRDLLLSPEENC GILEWEDREQGIFRVVKSEALAKMWGQR  
 KKNDRMTYEKLSRALRYYYKTGILERVDRRLVYKFGKNAHGWQEDKL

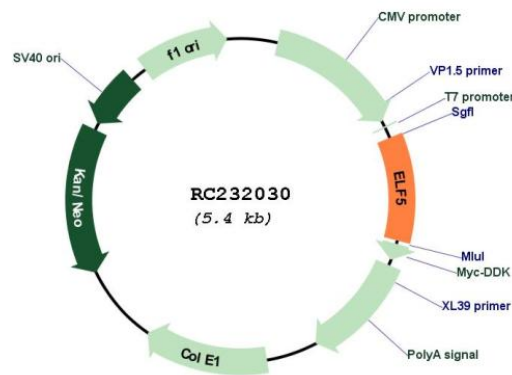
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_001243081

ORF Size: 561 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001243081.1](#), [NP\\_001230010.1](#)

**RefSeq Size:** 2222 bp

**RefSeq ORF:** 564 bp

**Locus ID:** 2001

**UniProt ID:** [Q9UKW6](#)

**Cytogenetics:** 11p13

**Protein Families:** Transcription Factors

**MW:** 22.4 kDa

**Gene Summary:** The protein encoded by this gene is a member of an epithelium-specific subclass of the Ets transcription factor family. In addition to its role in regulating the later stages of terminal differentiation of keratinocytes, it appears to regulate a number of epithelium-specific genes found in tissues containing glandular epithelium such as salivary gland and prostate. It has very low affinity to DNA due to its negative regulatory domain at the amino terminus. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2011]