

Product datasheet for **SC307675**

ELF5 (NM_198381) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELF5 (NM_198381) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELF5
Synonyms:	ESE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_198381 edited
ATGCCATCTCTGCCTCACTCCCACAGGGTAATGTTGGACTCGGTGACACACAGCACCTTC
CTGCCTAATGCATCCTTCTGCGATCCCCTGATGTGCTGGACTGATCTGTTTCAGCAATGAA
GAGTACTACCCTGCCTTTGAGCATCAGACAGCCTGTGACTCATACTGGACATCAGTCCAC
CCTGAATACTGGACTAAGCGCCATGTGTGGGAGTGGCTCCAGTTCTGCTGCGACCAAGTAC
AAGTTGGACACCAATTGCATCTCCTTCTGCAACTTCAACATCAGTGGCCTGCAGCTGTGC
AGCATGACACAGGAGGAGTTTCGTCGAGGCAGCTGGCCTCTGCGGGGAGTACCTGTACTTC
ATCCTCCAGAACATCCGCACACAAGGTTACTCCTTTTTTAATGACGCTGAAGAAAGCAAG
GCCACCATCAAAGACTATGCTGATTCCAAGTCTGAAAACAAGTGGCATCAAAAGTCAA
GACTGTACAGTCATAGTAGAACAAGCCTCCAAAGTTCTCATCTATGGGAATTTGTACGA
GACCTGCTTCTATCTCCTGAAGAAAAGTGGCATTCTGGAATGGGAAGATAGGGAAACA
GGAATTTTTCGGGTGGTAAATCGGAAGCCCTGGCAAAGATGTGGGGACAAAGGAAGAAA
AATGACAGAATGACATATGAAAAGTTGAGCAGAGCCCTGAGATACTACTATAAACAGGA
ATTTTGGAGCGGTTGACCGAAGGTTAGTGTACAATTTGGAAAAATGCACACGGGTGG
CAGGAAGACAAGCTATGATCTGCTCCAGGCATCAAGCTCATTTTTATGGATTTCTGTCTTT
TAAAACAATCAGATTGCAATAGACATTCGAAAGGCTTCATTTTTCTCTTTTTTTTTAA
CCTGCAAACATGCTGATAAAATTTCTCCACATCTCAGCTTACATTTGGATTTCAGAGTTGT
TGTCTACGGAGGGTGAGAGCAGAAACTCTTAAGAAATCCTTTCTCTCCCTAAGGGGATG
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TACATACTTTAGATTTTAAATTTAAAGTCAAAAATCCATAGAAAAGTATCCCTTTTTT
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CTTCCACAGACATCCTTCTGGACTTAAACACTTAAACATTAACCACATTATTAATTGTTGC
TGAGTTTATTCCTCTTCTAACTGATGGCTGGCATCTGATATGCAGAGTTAGTCAACAGA
CACTGGCATCAATTACAAAATCACTGCTGTTTCTGTGATTCAAGCTGTCAACACAATAAA
ATCGAAATTCATTGATTCCATCTCTGGTCCAGATGTTAAACGTTTATAAAACCGGAAATG
TCCTAACAACTYTGAATGGCAAATTAATTTGTGTCTTTTTTGTGTTTCTTCTACC
TGATGTGATTCAAGTGCTATAACACGTATTTCTTGACAAAAATAGTGACAGTGAATTC
ACACTAATAAATGTTTCATAGGTTAAAGTCTGACTGACATTTTCTCATCAATCACTGGTA
TGTAAGTTATCAGTGACTGACAGCTAGGTGGACTGCCCTAGGACTTCTGTTTACCAGAG
GCAGGAATCAAGTGGTGAGGCCTGAATCGCTGTACAGGCTGAAGACCTCCTTATTAGAG
TTGAACTTCAAAGTAACTTGTTTTAAAAAATGTGAATTACTGTAAAATAATCTATTTTGG
ATTCATGTGTTTTCCAGGTGGATATAGTTTGTAAACAATGTGAATAAAGTATTTAACATG
TAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_198381 unedited GTTGTGGCACTCTAGGGGATGGATCAACGATCCTAGTGGCTCTCGGGGCATTTTTTATA ATTTGCAAGTTGTGTCTCTGCACATATATGTTGTCATGAATGACATGTTTGCAGTAGGTA ATTGAGCCATACATATTCACATTCTCAGCAAATTAGAGAAGAACTTACCCCCATCCAT AAGACTATTGTCTCAGTGTGTACACATATCCGTTCTTCAGTGACTTGATTAAGTGCAG CATCGAGATGTATCACTGCATATTTGATGAGGACTACCTAAGTAGAACATCGACCCTC AAGGATATAGATCAGCCCGCCAGCAAAACACCATATTACCCACTTAAGACTTCCGTCTG AGGACCTCTATCTCACC GGAGGTGCGACTCTATCTAATCCCAAGATTGACGTTATGACTA TCGATACCCCGACCTCTGCCACGCCTGTCGCCTAGGTGCCAGGAGTCAGTACGTGATC GGTCTAGTCCGAGTCTTACTTGGCATTAACTGCGGTTAACCTACCTATTATATTTTCGCT GACTCCGATCCCAAGTTTGAATGAGCCTAAATCTTGAAGTTAGTCAACAGTTCTTGTGCA AGCTTAATAATTATCTGGAATAATCAGTTGCGTGTAGCTGTGGTTAGACCAGATTCGTTA TCTAATATTTACCGTGTATAATCTTTTTACCCGTGGGAGACTACCTTTGCGACCGGT TTACGCCCTCCGATCATTAGTCGAGTCTCACTTATTCTTCTAGGTGTGGCATAACCCACAC CCTCGTATATGATCGAAATATACAGACGATGCTACGCCCTCGCCCCAACTGCTATATCA CCGAAGAAAAAACTACGTAACGCTCCGCCGGCACATAA</p>
3' Read Nucleotide Sequence:	<p>>Forward primer walk for NM_198381 unedited GTTGTGGCACTCTAGGGGATGGATCAACGATCCTAGTGGCTCTCGGGGCATTTTTTATA ATTTGCAAGTTGTGTCTCTGCACATATATGTTGTCATGAATGACATGTTTGCAGTAGGTA ATTGAGCCATACATATTCACATTCTCAGCAAATTAGAGAAGAACTTACCCCCATCCAT AAGACTATTGTCTCAGTGTGTACACATATCCGTTCTTCAGTGACTTGATTAAGTGCAG CATCGAGATGTATCACTGCATATTTGATGAGGACTACCTAAGTAGAACATCGACCCTC AAGGATATAGATCAGCCCGCCAGCAAAACACCATATTACCCACTTAAGACTTCCGTCTG AGGACCTCTATCTCACC GGAGGTGCGACTCTATCTAATCCCAAGATTGACGTTATGACTA TCGATACCCCGACCTCTGCCACGCCTGTCGCCTAGGTGCCAGGAGTCAGTACGTGATC GGTCTAGTCCGAGTCTTACTTGGCATTAACTGCGGTTAACCTACCTATTATATTTTCGCT GACTCCGATCCCAAGTTTGAATGAGCCTAAATCTTGAAGTTAGTCAACAGTTCTTGTGCA AGCTTAATAATTATCTGGAATAATCAGTTGCGTGTAGCTGTGGTTAGACCAGATTCGTTA TCTAATATTTACCGTGTATAATCTTTTTACCCGTGGGAGACTACCTTTGCGACCGGT TTACGCCCTCCGATCATTAGTCGAGTCTCACTTATTCTTCTAGGTGTGGCATAACCCACAC CCTCGTATATGATCGAAATATACAGACGATGCTACGCCCTCGCCCCAACTGCTATATCA CCGAAGAAAAAACTACGTAACGCTCCGCCGGCACATAA</p>
Restriction Sites:	Please inquire
ACCN:	NM_198381
Insert Size:	2500 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_198381.1](#), [NP_938195.1](#)

RefSeq Size: 2466 bp

RefSeq ORF: 798 bp

Locus ID: 2001

UniProt ID: [Q9UKW6](#)

Cytogenetics: 11p13

Protein Families: Transcription Factors

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1, also called ESE-2a).