

## Product datasheet for **RG216682**

### ELF5 (NM\_198381) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELF5 (NM_198381) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ELF5
Synonyms:	ESE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216682 representing NM_198381 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCATCTGCCTCACTCCACAGGGTAATGTTGGACTCGGTGACACACAGCACCTTCTGCCTAATG  
CATCCTTCTGCGATCCCCTGATGTCGTGGACTGATCTGTTTCAGCAATGAAGAGTACTACCCTGCCTTTGA  
GCATCAGACAGCCTGTGACTCATACTGGACATCAGTCCACCCTGAATACTGGACTAAGCGCCATGTGTGG  
GAGTGGTCCAGTCTGCTGCGACCAGTACAAGTTGGACACCAATTGCATCTCCTTCTGCAACTTCAACA  
TCAGTGGCCTGCAGCTGTGCAGCATGACACAGGAGGAGTTCGTCGAGGCAGCTGGCCTCTGCGGCGAGTA  
CCTGTACTTCATCCTCCAGAACATCCGCACACAAGGTTACTCCTTTTTAATGACGCTGAAGAAAGCAAG  
GCCACCATCAAAGACTATGCTGATTCCAAGTCTGAAAACAAGTGGCATCAAAGTCAAGACTGTCACA  
GTCATAGTAGAACAAGCCTCAAAGTCTCATCTATGGGAATTTGTACGAGACCTGCTTCTATCTCCTGA  
AGAAAAGTGTGGCATTCTGGAATGGGAAGATAGGGAACAAGGAATTTTTCGGGTGGTTAAATCGGAAGCC  
CTGGCAAAGATGTGGGACAAAGGAAGAAAAATGACAGAATGACATATGAAAAGTTGAGCAGAGCCCTGA  
GATACTACTATAAAACAGGAATTTGGAGCGGGTTGACCGAAGGTTAGTGTACAAATTTGAAAAAATGC  
ACACGGGTGGCAGGAAGACAAGCTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG216682 representing NM\_198381  
Red=Cloning site Green=Tags(s)

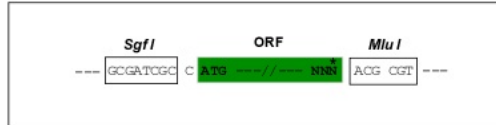
MPSLPHSHRVM LDSVTHSTFLPNASFCDPLMSWTDLFSNEEYYPAFEHQ TACDSYWTSVHPEYWTKRHVW  
 EWLQFCCDQYKLDNTNCISFCNFNISGLQLCSMTQEEFVEAAGLCGEYL YFILQNI RTQGYSFFNDAEESK  
 ATIKDYADSNCLKTS GIKSQDCHSHSRTSLQSSHLWEFVRDLLLSPEENCGILEWEDREQGIFRVVKSEA  
 LAKMWGQRKKND RMTYEKLSRALRYYYKTGILERVDRRLVYKFGKNAHG WQEDKL

TRTRPLE - GFP Tag - V

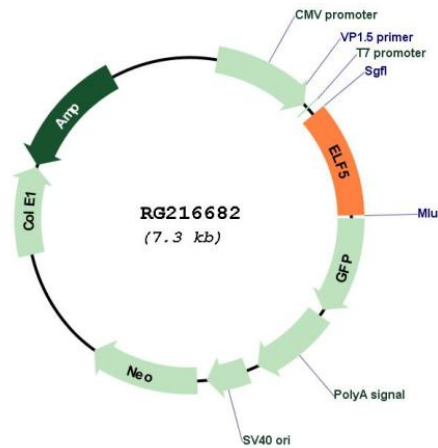
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_198381

**ORF Size:** 795 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_198381.2</a>
<b>RefSeq Size:</b>	2466 bp
<b>RefSeq ORF:</b>	798 bp
<b>Locus ID:</b>	2001
<b>UniProt ID:</b>	<a href="#">Q9UKW6</a>
<b>Cytogenetics:</b>	11p13
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	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]