

## Product datasheet for **MG203230**

### Elf5 (NM\_010125) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elf5 (NM_010125) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Elf5
Synonyms:	ESE-2; ESE-5; ESE-5.
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203230 representing NM_010125 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGGACTCCGTAACCCATAGCACCTTCCTGCCAACGCATCCTTCTGTGACCCCTGATGCCTTGGACCGATCTGTT  
CAGCAATGAAGAATACTACCCTGCCTTTGAGCATCAGACAGCCTGTGATTCTACTGGACATCAGTGCACCCTGA  
ATACTGGACCAAGCGCCACGTCTGGGAATGGCTCCAATTCTGCTGCGACCAGTAC AAGCTTGATGCCAACTGC  
ATCTCCTTCTGTCACTTCAACATCAGCGGCCTGCAGCTCTGCAGCATGACGCAGGAGAGTTTCATTGAGGCAG  
CCGGCATCTGTGGGGAGTACCTGTACTTCATTCTCCAGAACATTTCGCTC GCAAGTTACTCCTTTTTCAATG  
ATGCTGAAGAAACCAAGACTGGCATCAAAGACTATGCTGATTCCAGT TGCTTGAAAACAAGTGGCATCAAGAG  
TCAAGACTGTCAACAGCCGAACAAGCCTCCAAAGTTCTCACCTGTGGGAATTTGTGAGAGACTTGCTGCTGT  
CCCTGAAGAGAACTGTGGCATCCTGGAATGGGAAGACAGGGA GCAGGGCATTTCGAGTGGTTAAGTCAGA  
AGCCCTGGCAAAGATGTGGGGACAAAGGAAGAAGAATGACAGGATGACGTACGAGAAGCTGAGCCGAGCCCT  
GAGATACTACTATAAAACGGGAATTCGGAGCGGGTTGACCGGAGTTAGTGTACAAATTTGAAAAGAACGCG  
CACGGGTGGCAGGAAGAGAACTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG203230 representing NM\_010125  
 Red=Cloning site Green=Tags(s)

MLDSVTHSTFLPNASFCPLMPWTDLFSNEEYYPAFEHQACDSYWTSVHPEYWKRVHVEWLQFCCDQY  
 KLDANCISFCHFNISGLQLCSMTQEEFIEAAGICGEYL YFILQNIQSQGYSFNDAAEETKTIKDYADSS  
 CLKTSGLKSDCHSRTSLQSSHLWEFVRDLLLSPEENCGILEWEDREQGIFRVVKSEALAKMWGQRKKN  
 RMTYEKLSRALRYYYKTGILERVDRRLVYKFGKNAHWQEEKL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010125

**ORF Size:** 759 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\\_010125.1](#), [NP\\_034255.1](#)

**RefSeq Size:** 2216 bp

**RefSeq ORF:** 762 bp

**Locus ID:** 13711

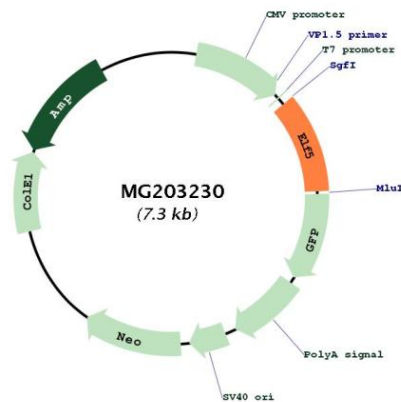
**UniProt ID:** [Q8VDK3](#)

**Cytogenetics:** 2 E2

**MW:** 29.9 kDa

**Gene Summary:** Transcriptionally activator that may play a role in regulating the later stages of keratinocytes terminal differentiation (By similarity). Binds to DNA sequences containing the consensus nucleotide core sequence GGA[AT]. Transcriptionally activates the TK promoter. [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG203230