

Product datasheet for MR217599

Elf5 (NM_001145813) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elf5 (NM_001145813) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elf5
Synonyms:	ESE-2; ESE-5; ESE-5.
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217599 representing NM_001145813 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGACTCCGTAACCCATAGCACCTTCCTGCCAACGCATCCTTCTGTGACCCCTGATGCCTTGGACCGATCTGTTCCAGCAATGAAGACTACTACCCTGCCTTTGAGCATCAGACAGCCTGTGATTCTACTGGACATCAGTGCACCCTGAATACTGGACCAAGCGCCATGTCTGGGAATGGCTCCAATTCTGCTGCGACCAGTACAAGCTTGATGCCAACTGCATCTCCTTCTGTCACTTCAACATCAGCGCCCTGCAGCTCTGCAGCATGACCGAGGAGATTTCATTGAGGCAGCCGGCATCTGTGGGGAGTACCTGTACTTCATTCTCCAGAACATTTCGCTCGCAAGTTACTCCTTTTTCAATGATGCTGAAGAGACCAAGACTGGCATCAAAGACTATGCTGATTCCAGTTGCTTGAAAACAAGTGGCATCAAGAGTCAAGACTGTACAGCCGAACAAGCTCCAAAGTTCTCACCTGTGGGAATTTGTGAGAGACTTGCTGCTGTCCCTGAAGAGAACTGTGGCATCCTGGAATGGGAAGACAGGGAGCAGGGCATTTCGAGTGGTTAAGTCAGAAGCCCTGGCAAAGATGTGGGGACAAAGGAAGAAGAATGACAGGATGACGTACGAGAAGCTGAGCCGAGCCCTGAGATACTACTATAAAACGGGAATTCGGAGCGGGTTGACCGGAGTTAGTGTACAAATTTGAAAGAACCGCACGGGTGGCAGGAAGAGAACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217599 representing NM_001145813
Red=Cloning site Green=Tags(s)

MLDSVTHSTFLPNASFC DPLMPWTDLFSNEDYYPAFEHQ TACDSYWTSVHPEYWK RHHVWEWLQFCCDQY
 KLDANCISFCHFNI SGLQLCSMTQE EFIEAAGICGEYL YFILQNIRSQGY SFFNDAEETKTGIKDYADSS
 CLKTSGIKSQDCHSR TSLQSSH LWEFVRDLLL SPEENCGILEWEDRE QGIFRVVKSEALAKM WGQRKKN D
 RMTYEKLSRALRY YYYKTGIL ERVDRRLVYKFGKNAHG WQEEKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001145813

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_001145813.1](#), [NP_001139285.1](#)

RefSeq Size: 2125 bp

RefSeq ORF: 762 bp

Locus ID: 13711

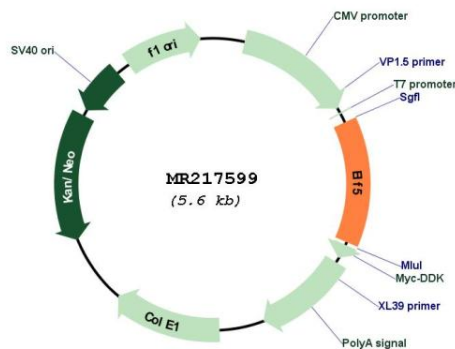
UniProt ID: [Q8VDK3](#)

Cytogenetics: 2 E2

MW: 30.3 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 MR217599