

Product datasheet for **MG209411**

Elf1 (NM_007920) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elf1 (NM_007920) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Elf1
Synonyms:	Elf-1; mElf-1; p70; Sts1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209411 representing NM_007920
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCTGTTGTCCAACAGAACGACCTAGTGTTTGAATTTGCAAGTAACGGCATGGAGGACGAGCAGC
 AGCTTGGTGATCCTGCTATATTTCTGCTGTTATTGTGGAACATGTTCTGGTGCTGATATTCTCAATAG
 TTATGCTGGTCTAGCTTGTGTGGAAGAGCCTAATGACATGATTACTGAGAGCTCATTGGATGTTGCTGAA
 GAAGAAATCATAGACGATGACGATGACGACATCACCCCTTACAGTTGAGGCTTCTTGTGATAATGGAGATG
 AAACAATTGAGACCATTGAGGCTGCCGAGGCACTCCTCAATATAGATTCTCCAGCCCTCTGTACTGGA
 TGAAGCAATCAATAATAATATATTTAGCTCCTCTGAAGATGACATCGTTGCCCAATCACCCATGTG
 TCCGTCACATTAGATGGGATTCTGAAGTATGGAAGTCAAGTCAAGAGACAAATGCAGACTCCC
 CAGGAGCCTCTCCAGAGCAGCGCAAGAGAAAGAAAGGAAAGAAAACAAACCACCGCCAGATTC
 CCCGAGACTACACCAAATATCTCTGTGAAAAAGAAAAATAAGATGGGAAGGAAACACAATTTACCTT
 TGGGAGTTTTTGCTGGCCCTGCTTCAGGACAAAGCTACCTGTCTAAGTACATCAAGTGGACGCAGCGAG
 AAAAGGGCATTTTAAGCTGTTGATTCTAAAGCCGTGTCTAGATTGTGGGGGAAGCACAAAAACAACC
 TGACATGAACTACGAGACCATGGGGAGAGCACTCAGGACTATTACCAAAGAGGTATTCTTGCAAAAAGTG
 GAAGGTCAGCGCTTGGTGTATCAGTTTAAAGAAATGCCAAAAGATCTTATCTACATAGATGATGAGGATC
 CAAGTTCAGCATAGAGTCTTCGGATCAGTCTTATCGTCAACAACCGCATCAAGTCGGAATCAAGCAAA
 CCGATCAAGAGTATCTCAAGTCCAGGAATTAAGGAGGGGCCGTACAATTCTAAAGCCCGGAATTCT
 AAAGTGCAACCCCAAGATCCGGTGAAGTTGGACAACCTTCAGAAGTCTGAGGACAGTCAACCCCT
 CACAGGCTCCCTATCTACCCAGCTCTCCGAACTGTTCAAGTGTAGTACAGCCAGTCAAGCTGTCCGAGA
 GGAAGCAACCATAGCCAGCACCATGCAGGAGGAAGCAGCAAAATCTTCAGTTCCAAGTATTAGGACTATA
 CAGGCTTCAACCCAGTTCAGTGTGTTCTCCTGGCAACCAACAGTTACATACAGTAACAGTGCAC
 TCACAACGGTTATAGCCAGCATAGACCCATCATCAGGTGCTGGGTCTCAGAAATTCATTTTACAACCAT
 TCCATCGTCACAGCCATGACAGTACTGAAAGAAAATGTCATGCTACAGTACAGAAAGCCAGGCTCTCCT
 TCAATTGCTCAGCCCCACCAAGTACAGCAGGTCTCACAAGCAATGTTCAAGTCCATTTGCAATGGAG
 CGGGCAGTGTGGCATCCGACCATCGTTCAGCGGACGACACCTGTGGTACTTTCTCTCGGAGTTCACA
 GCTGGTCGACACCCACCGGCACTGTGATCACTTCTGTTATCAAAGCTCAGGAAACAAAACCTTAAG
 CAAGAGGTGGAGAAAAGCCGAAGATGATTTGAATGAAGATGCTGAGAAAAGTCCAGCAGCCCCAGC
 CTTATGTGATGGTGTATCCAGTCAAACGGGTTTTCTCTCAGGTAGCCGTCAAACAGAATGAAGTCT
 AGAGCCCAACTCTTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209411 representing NM_007920
 Red=Cloning site Green=Tags(s)

MAAVVQQNDLVFEFASNGMEDEQQLGDPAIFPAVIVEHVPADILNSYAGLACVEEPNDMITESSLDVAE
 EEIIDDDDDITLVEASCHNGDETIETIEAAEALLNIDSPSPVLDKQINNNIFSSSEDDIVAPITHV
 SVTLDGIPVEMETQQVQETNADSPGASSPEQRKRKKGRKTKPPRPDSPTTTPNISVKKKNKDGKNTIYL
 WEFLLALLQDKATCPKYIKWTQREKGFILVDSKAVSRLWGKHKNKPDMMNYETMGRALRYYYQRGILAKV
 EGQRLVYQFKEMPKDLIYIDDEDPSSSIESSDQSLSSTTASSRNQANRSRVSSSPGKGGAAATILKPGNS
 KAAANPKDPVEVGQPSEVLRTVQPSQAPYPTQLFRTVHVVPVQAVPEEATIASTMQEEAANSSVPSIRTI
 QASTQVPVVVSPGNQQLHTVTVPLTTVIAASIDPSSGAGSQKFIQTIPSSQPMTVLKENVMLQSQKPGSP
 SIVLSPTQVQVLTSNVQSIENAGSVASAPFSATTPVVTFSRSSLVAHPPGTVITSVIKAQETKTLK
 QEVEKKAEDDLNEDAESAQQPPYVMVLSSSNGFSSQVAVKQNELLEPNFSF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_007920

ORF Size: 1836 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_007920.4](#), [NP_031946.1](#)

RefSeq Size: 4217 bp

RefSeq ORF: 1839 bp

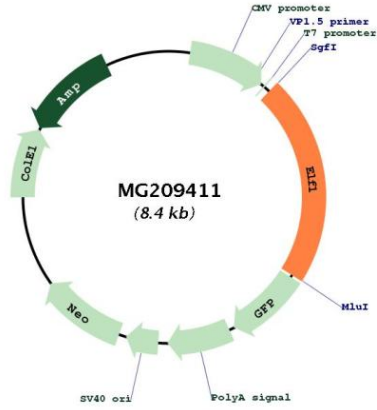
Locus ID: 13709

UniProt ID: [Q60775](#)

Cytogenetics: 14 D3

Gene Summary: Transcription factor that activates the LYN and BLK promoters.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209411