

Product datasheet for **MG201410**

Flt3l (BC019801) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Flt3l (BC019801) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Flt3l
 Synonyms: Flt3lg; Ly72L
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG201410 representing BC019801
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAGTGTGGCGCCAGCCTGGAGCCAAATTCCTCCCTGTTGCTGCTGTTGCTGCTGCTGAGTCCTT
 GCCTGCGGGGACACCTGACTGTTACTTCAGCCACAGTCCCATCTCTCCAACCTCAAAGTGAAGTTTAG
 AGAGTTGACTGACCACCTGCTTAAAGATTACCCAGTCACTGTGGCCGTCATCTTCAGGACGAGAAGCAC
 TGCAAGGCCTTGTGGAGCCTCTCCTAGCCAGCGCTGGATAGAGCAACTGAAGACTGTGGCAGGGTCTA
 AGATGCAAACGCTTCTGGAGGACGTCAACACCGAGATACATTTTGTACCTCATGTACCTCCAGCCCCT
 ACCAGAATGTCTGCGATTGTCAGACCAACATCTCCACCTCCTGAAGGACACCTGCACACAGCTGCTT
 GCTCTGAAGCCCTGTATCGGGAAGGCCTGCCAGATTTCTCTCGGTGCCTGGAGACTCCTCCACCCTGCT
 GCCCCAAGGAGTCCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201410 representing BC019801
 Red=Cloning site Green=Tags(s)

MTVLAPAWSPNSSLLLLLLLLLSPCLRGTDPDCYFHSPISSNFVKVRFRELDHLLKDYPVTVAVNLQDEKH
 CKALWSLFLAQRWIEQLKTVAGSKMQTLLEDVNTIEHFVTSCTFQPLPECLRFVQTNISHLKDTCTQLL
 ALKPCIGKACQNFRCLETPPPCCPQGV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: BC019801

ORF Size: 509 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: [BC019801](#), [AAH19801](#)

RefSeq Size: 990 bp

RefSeq ORF: 509 bp

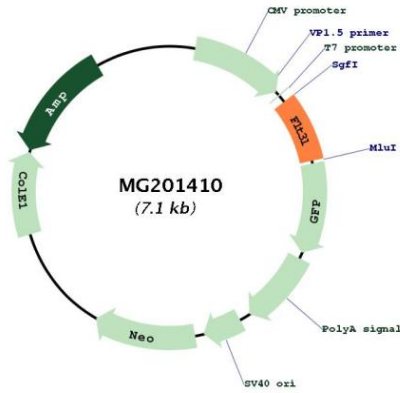
Locus ID: 14256

Cytogenetics: 7 29.14 cM

Gene Summary:

Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201410