

Product datasheet for MR227308

Flt3l (NM 013520) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Flt3l (NM_013520) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Flt3l

Synonyms: Flt3lg; Ly72L **Mammalian Cell**

Selection:

Neomycin

Vector: pCMV6-Entry (PS100001) E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide >MR227308 representing NM_013520

Red=Cloning site Blue=ORF Green=Tags(s) Sequence:

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGACAGTGCTGGCGCCAGCCTGGAGCCCAAATTCCTCCCTGTTGCTGCTGCTGCTGCTGAGTCCTT GCCTGCGGGGGACACCTGACTGTTACTTCAGCCACAGTCCCATCTCCCAACTTCAAAGTGAAGTTTAG AGAGTTGACTGACCACCTGCTTAAAGATTACCCAGTCACTGTGGCCGTCAATCTTCAGGACGAGAAGCAC TGCAAGGCCTTGTGGAGCCTCTTCCTAGCCCAGCGCTGGATAGAGCAACTGAAGACTGTGGCAGGGTCTA AGATGCAAACGCTTCTGGAGGACGTCAACACCGAGATACATTTTGTCACCTCATGTACCTTCCAGCCCCT ACCAGAATGTCTGCGATTCGTCCAGACCAACATCTCCCACCTCCTGAAGGACACCTGCACACAGCTGCTT GCTCTGAAGCCCTGTATCGGGAAGGCCTGCCAGAATTTCTCTCGGTGCCTGGAGGTGCAGTGCCAGCCGG ACTCCTCCACCCTGCTGCCCCCAAGGAGTCCCATAGCCCTAGAAGCCACGGAGCTCCCAGAGCCTCGGCC CAGGCAGCTGTTGCTGCTGCTGCTGCTGCTCCTCACACTGGTGCTGCTGCAGCCGCCTGGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA



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>MR227308 representing NM_013520 **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MTVLAPAWSPNSSLLLLLLLLSPCLRGTPDCYFSHSPISSNFKVKFRELTDHLLKDYPVTVAVNLQDEKH CKALWSLFLAQRWIEQLKTVAGSKMQTLLEDVNTEIHFVTSCTFQPLPECLRFVQTNISHLLKDTCTQLL ALKPCIGKACONFSRCLEVOCOPDSSTLLPPRSPIALEATELPEPRPROLLLLLLLLLLPLTLVLLAAAWG

LRWQRARRRGELHPGVPLPSHP

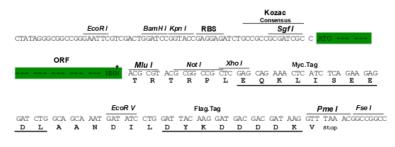
TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Chromatograms: https://cdn.origene.com/chromatograms/ja1592 a11.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM 013520

ORF Size: 696 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts

> of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by

calling 301.340.3188 option 3 for pricing and delivery.

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: <u>NM 013520.3</u>, <u>NP 038548.3</u>

 RefSeq Size:
 1075 bp

 RefSeq ORF:
 699 bp

 Locus ID:
 14256

 UniProt ID:
 P49772

 Cytogenetics:
 7 29.14 cM

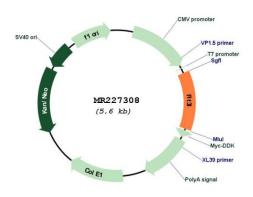
MW: 26.6 kDa

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 MR227308