

Product datasheet for MR216285

Ly6g5c (NM_148947) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ly6g5c (NM_148947) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ly6g5c
Synonyms: G5c; NG33
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216285 representing NM_148947
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTTTTATGGCAGGCCCTGCAGCCAGCTGGTCCCTGAGGCCCTGGGACTCCATGGCGTCCCCAAG
 CCTTGTGTGCTGCTCCTTAACAGTGTGGTCATGAAGACCTGGTTCTCGGTGATACCAAGCTCGAGGA
 CCTTACCCTCAGTCCCTCCCACTAAACAAGTACCTGAATTGCTACCGATGTCTGCTGGAGACCGAAGAG
 CTGGGGTGCCTCCTGGGGTCTGACACCTGCCTGACACCTCTGGGCAGCAGCTGTGTACCCTGCACATAA
 AGAACAGCAGCGTTTTAATGTCATGGTGAGCGACTGCTACAGCAAGGAGCAGATGGTCCATTGTTTCATA
 TACCCGTGCTTCCCCGGTGGTGGCTTTGGATATTCTATCAGTGTGCTTCTGGATTTCTGCAACAAT
 CCGGACAACAGAAAGAATAGCATGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216285 representing NM_148947
 Red=Cloning site Green=Tags(s)

MLFMAGPAASWSLRPLGLHGVPQALCAVLLTVLVMKTLVLGDTKLEDLHPQSLPLNKYLNCYRCLLETEE
 LGCLLGSDTCLTPLGSSCVTLHIKNSGFMVMSDCYSKEQMVHCSYTRASPVFGEWIFWYQCCLDFCENN
 PDNRKNSMH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

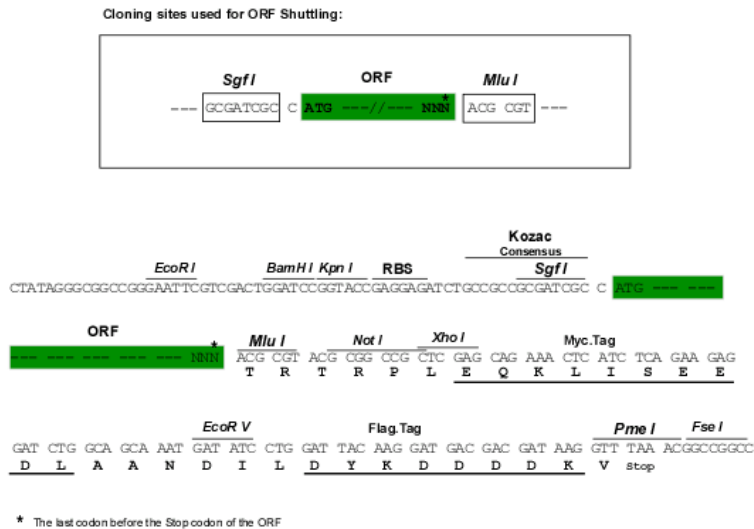
Chromatograms: https://cdn.origene.com/chromatograms/mm9025_h05.zip



[View online »](#)

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_148947

ORF Size: 447 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_148947.2](#)

RefSeq Size: 450 bp

RefSeq ORF: 450 bp

Locus ID: 114652

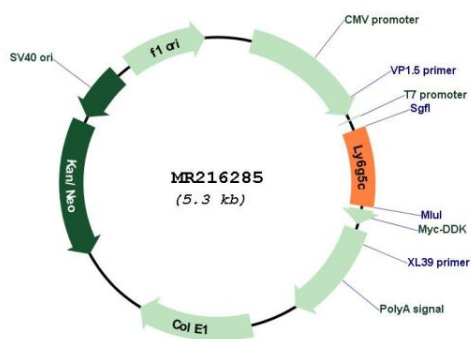
UniProt ID: [Q8K1T5](#)

Cytogenetics: 17 B1

MW: 17 kDa

Gene Summary: May have a role in hematopoietic cell differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216285