

Product datasheet for MR217521

Ly6g5b (NM_148939) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ly6g5b (NM_148939) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ly6g5b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR217521 representing NM_148939
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGGCCCGCTGCTTGTAGGTATGCTGACCATGGTGGGCTTTGCGATGGGGAAGGCTCCAGTTGCCA
 GAGTCCGTACCTGCCACCTGTGCCTCTTAGAAGACCCCTTCGCTAGGCTGCATTTCTGGCTCAGAAAAGTG
 CACCATCAGCCTCCATCGCCGTGTATGGTGATCACCATCTATAAAAATACTACTGTTCCGTTCCACGTA
 CGGGCTGTGGACAGCATCATTCTACCGATGCAAGAAAGGCATGTGATCTACCAATCAGACTTGT
 ATAAGGCTGATTGCTGCCAGTACGATTACTGCAACTCTGGTCCAGTGCTCAGCACCAGACCCCTGCG
 TGGGTCCCAGGAAGCCATCTGGGATGCCCTGTGAGCGTCTCAGATAAACAGTTTTACCAGGCCCTG
 AACCTCTCTGCTCAGCCTGGCTTCCATGCTCATAAGGTGTCTGAGGGCTGGAGTCTCTCATTCTGC
 CCCCAGGCTGGGCTTGTCCATTGCCGACCTTCGCCAAATATACTGTTCTCAACAGTTCAGGACTTCT
 GGTCTTCCCTGGGATAGACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217521 representing NM_148939
 Red=Cloning site Green=Tags(s)

MRARVLVGMLTMVGFAMGKAPVARVRTCHLCLEDPISLGCISGSEKCTISLPSPCMVITIIYKNTTVRFHV
 RGCGQHHSYRCQERHVIYQSDYLYKADCCQYDYCNWSSAQHQSTLRGSPGSHLGMPLSASQIKQFYQAL
 NLSLPQPGFHAHKVSEGLESLILPPELGLSIADLRQIYFLNSSGLLVLPWDRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9070_f01.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_148939

ORF Size: 582 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_148939.3](#)

RefSeq Size: 1056 bp

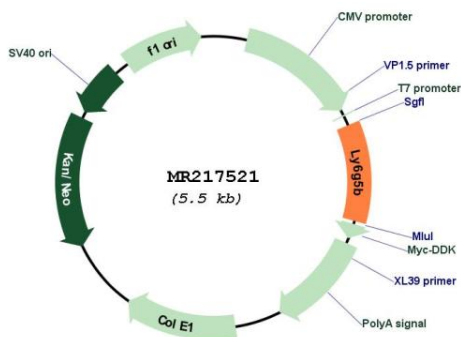
RefSeq ORF: 585 bp

Locus ID: 266614

UniProt ID: [Q8K1T4](#)

Cytogenetics: 17 B1
 MW: 21.6 kDa

Product images:



Circular map for MR217521