

Product datasheet for **RR208580**

Ly6g5b (NM_001001934) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ly6g5b (NM_001001934) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ly6g5b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208580 representing NM_001001934
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGAGGGCCTGTGTGCTTGCTCATGTGCTGACCATGGTGGGCTTGCCTTGGGGAAGGCTCCGGTCGCCA
GCGTCCGTACCTGCCACCTGTGCTTCTTAGAAGACCCCTCGATAGGCTGCATTTCTGGGTGAGAAAAGTG
CACCATCAGCTTCTCCTCGCCATGCATGGTGATCACCATCTATCAGAATGTTAAGGTTCCGTTCCACGTA
CGGGGCTGTGGACAGCACCCTCCTCCGGTGTCAAGAAAATCAGTCATCTACTACTCAGACTACTGGT
ATAGGGTTAATTGCTGCCAGTATGATTACTGCAACTCCTGGTCCAGTGCCAGCACCAGAGCACTCTGCC
TGGGCCCCAGGAAACCTCTGGGTGTGCCCTCTCTGAGTCTCAGATAAAACAGTTCTACCAGGCCCTG
CACCTCCCTCTGTTTCAGCCTGACCTCCACTCATAAGGTGTCTGAGGGCCCGACTCTCTCATTCTGC
CCCCGGGCTGGGCTTGTCCATTGCCGACCTGCGCAAAATATACTTGTTCCTCAACAGTTCAGGACTTCT
GGTTCTTCCCAGGCTAGACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208580 representing NM_001001934
Red=Cloning site Green=Tags(s)

MRACVLVHVLTMVGFALGKAPVASVRTCHLCFLEDPSIGCISGSEKCTISSSSPCMVITIIYQNVKVRFHV
RGCGQHHSFRCQENHVIYSDYWRVNCQYDYCNSSWSSAQHQSTLPGPPGNHLGVPLSESQIKQFYQAL
HLPFLQPDLHHTKVSEGPDSLILPPGLGLSIADLRKIYFLNSSGLLVLPQARP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

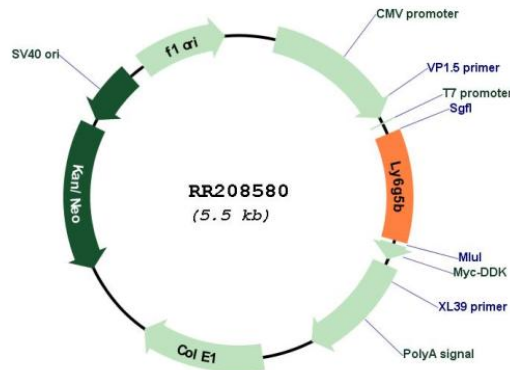


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001001934

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:	<ol style="list-style-type: none">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_001001934.1, NP_001001934.1</u>
RefSeq Size:	585 bp
RefSeq ORF:	585 bp
Locus ID:	406867
UniProt ID:	<u>Q6MG53</u>
Cytogenetics:	20p12
MW:	21.6 kDa
Gene Summary:	may play a role in immune response [RGD, Feb 2006]