

Product datasheet for RG211694

LY6G5C (NM_025262) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: TurboGFP

Symbol: LY6G5C

Synonyms: C6orf20; G5C; LY6G5CA; LY6G5CB; NG33

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG211694 representing NM_025262

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCAGGCCCTGCAGGGAGCCAGAGTCTGGGTCCCCTGTGCTTCCACAGCAGCCCCCAAGCCCTCTACA CGGTCCTCTAATAGTGCTGGTCATGATGAGCTTGGTGTTTTGGTAAGTTTGTTCCTGTCAATTGGGAACC CCCTCAACCACTTCCATTCCCCAAATACCTGCGCTGCTACCGATGCCTCTTGGAGACCAAGGAGTTAGGG TGCCTTCTGGGATCTGACATCTGCCTCACCCCAGCTGGCAGCAGCTGCATCACTCTCCACAAAAAAGAACA GCAGCGGTTCTGACGTCATGGTGAGTGACTGCCGAAGTAAGGAGCAGATGAGTGATTGTTCAAATACCCG AACTTCTCCGGTGTCTGGCTTCTGGATATTCTCTCAATACTGCTTCCTGGATTTCTGCAATGACCCTCAA

AACAGAGGGCTCTATACTCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211694 representing NM_025262

Red=Cloning site Green=Tags(s)

MAGPAGSQSLGPLCFHSSPQALYTVLLIVLVMMSLVFGKFVPVNWEPPQPLPFPKYLRCYRCLLETKELG CLLGSDICLTPAGSSCITLHKKNSSGSDVMVSDCRSKEQMSDCSNTRTSPVSGFWIFSQYCFLDFCNDPQ

NRGLYTP

TRTRPLE - GFP Tag - V

Restriction Sites: Safl-Mlul



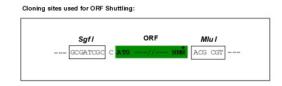
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

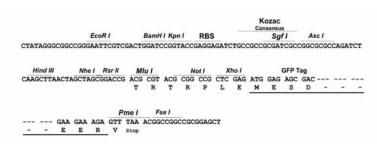
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com

EU: info-de@origene.com CN: techsupport@origene.cn



Cloning Scheme:





ACCN: NM_025262

ORF Size: 441 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um

filter is required.

RefSeq: <u>NM_025262.2</u>, <u>NP_079538.2</u>

ORIGENE

RefSeq Size: 729 bp

RefSeq ORF: 453 bp

80741 Locus ID:

UniProt ID: Q5SRR4

Cytogenetics: 6p21.33

Protein Families: Transmembrane

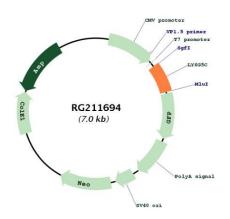
LY6G5C belongs to a cluster of leukocyte antigen-6 (LY6) genes located in the major Gene Summary:

> histocompatibility complex (MHC) class III region on chromosome 6. Members of the LY6 superfamily typically contain 70 to 80 amino acids, including 8 to 10 cysteines. Most LY6

proteins are attached to the cell surface by a glycosylphosphatidylinositol (GPI) anchor that is directly involved in signal transduction (Mallya et al., 2002 [PubMed 12079290]).[supplied by

OMIM, Mar 2008]

Product images:



Circular map for RG211694