

Product datasheet for SC305259

LY6G5C (NM_025262) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LY6G5C (NM_025262) Human Untagged Clone
Tag:	Tag Free
Symbol:	LY6G5C
Synonyms:	C6orf20; G5C; LY6G5CA; LY6G5CB; NG33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305259 representing NM_025262. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGCGTTTATGGCAGGCCCTGCAGGGAGCCAGAGTCTGGGTCCCCTGTGCTTCCACAGCAGCCCCAA
 GCCCTCTACACGGTCCTCTTAATAGTGTGGTCATGATGAGCTTGGTGTGGTAAGTTTGTCTCTGTC
 AATTGGGAACCCCTCAACCACTTCCATCCCCAAATACCTGCGCTGCTACCGATGCCTCTTGAGACC
 AAGGAGTTAGGGTGCCTTCTGGGATCTGACATCTGCCTCACCCAGCTGGCAGCAGCTGCATCACTCTC
 CAAAAAAGAACAGCAGCGGTTCTGACGTCATGGTGAGTACTGCCGAAGTAAGGAGCAGATGAGTGAT
 TGTTCAAATACCCGAACCTCTCCGGTGTCTGGCTTCTGGATATTCTCTCAATACTGCTTCTGGATTTC
 TGCAATGACCCTCAAAACAGAGGGCTCTATACTCCT**AG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_025262
Insert Size:	453 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_025262.3
RefSeq Size:	738 bp
RefSeq ORF:	453 bp
Locus ID:	80741
UniProt ID:	Q5SRR4
Cytogenetics:	6p21.33
Protein Families:	Transmembrane
MW:	16.7 kDa
Gene Summary:	<p>LY6G5C belongs to a cluster of leukocyte antigen-6 (LY6) genes located in the major 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]</p> <p>Transcript Variant: This variant (3) encodes the longest isoform (B).</p>