

Product datasheet for **SC304923**

LY6G5B (NM_021221) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LY6G5B (NM_021221) Human Untagged Clone
Tag:	Tag Free
Symbol:	LY6G5B
Synonyms:	C6orf19; G5b
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_021221, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGAAGGTCCATATGCTTGTAGGTGTGCTGGTCATGGTGGGCTTCACAGTAGGAAAGGTT CCTGTTCCCGACATCCGGACGTGCCACTTCTGCCTCGTAGAAGACCCTTCTGTAGGATGC ATTTACAGGCTCAGAGAAGTGTACCATCAGCAGCTCATCCCTGTGCATGGTGATCACCATC TATTATGATGTCAAGGTTGCTTCATCGTTCGAGGCTGTGGACAGTACATTTCTACCGC TGCCAAGAAAAACGCAACACCTACTTTGCAGAGTACTGGTATCAGGCCCAGTGCTGTGAG TACGATTATTGCAACTCCTGGTCAAGCCCCCACTCCAGAGCTCTCTGCCGGAGCCCCAT GACAGGCCCTGGCCCTGCCTCTGTCTGACTCCCAGATTAGTGGTTCTACCAGGCCCTG AACCTCTCCCTGCCCTCCCAATTTCCATGCTGGGACGGAGCCTGATGGCCTGGACCCC ATGGTCACTGTCCCTGAACCTGGGCTTGTCTTTGCTGAGCTGCGCCGCATGTAATTTG TTCTCTAATAGTTCAGGACTTTTGGTTCTTCCCGAGGCTGGACTCTTGACACCTCACCT TCCTGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_021221
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).
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).



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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_021221.2](#), [NP_067044.2](#)

RefSeq Size: 774 bp

RefSeq ORF: 606 bp

Locus ID: 58496

UniProt ID: [Q8NDX9](#)

Cytogenetics: 6p21.33

Gene Summary: LY6G5B 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]