

Product datasheet for SC126342

IGL (BC030983) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGL (BC030983) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGL
Synonyms:	IGL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for BC030983 edited</p> <pre> GGGGTCTCAGGAGGCAGCACTCTCGGGACGTCTCCACCATGGCCTGGGCTCTGCTCCTCC TCAGCCTCCTCACTCAGGGCACAGGATCCTGGGCTCAGTCTGCCCTGACTCAGCCTCGCT CAGTGTCCGGGTCTCCTGGACAGTCAGTACCATCCCCTGCACTGGAACCAAGCAGTGATG TTGGTAATTATAACTATGTCTCCTGGTACCGACAACACCCAGGCAAAGCCCCAAACTCA TGATTTATGATGTCAATAAGCGGCCCTCAGGGTCCCTGATCGCTTCTCTGGCTCCAAGT CTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATT ACTGCTGCTCATATGCAGGCACCTACACTTTTCGGGGTGTTCGGCGGAGGGACCAAGCTGA CCGTCTAGGTCAGCCCAAGGCTGCCCTCGGTCACTCTGTTCCACCCCTCCTCTGAGG AGCTTCAAGCCAACAAGGCCACACTGGTGTGTCTCATAAGTGACTTCTACCCGGGAGCCG TGACAGTGGCCTGGAAGGCAGATAGCAGCCCCGTCAAGGCGGGAGTGGAGACCACCACAC CCTCCAAACAAAGCAACAACAAGTACGCGGCCAGCAGCTACCTGAGCCTGACGCCTGAGC AGTGGAAGTCCCACAAAAGCTACAGCTGCCAGGTACGCATGAAGGGAGCACCGTGGAGA AGACAGTGGCCCCACAGAATGTTTCATAGGTTCTCATCCCTCACCCCCACCACGGGAGA CTAGAGCTGCAGGATCCCAGGGGAGGGTCTCTCCTCCCACCCCAAGGCATCAAGCCCTT CTCCCTGCACTCAATAAACCCCTCAATAAATATTCTCATTGTCAATCGAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA </pre>



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC030983 unedited NGTCCACGATTTTGTNAATACGCACTCCACTCATAGGGGCGGGCCGCAATTCGCCAT TACGGCCGGGGGGTCTCAGGAGGCAGCACTCTCGGGACGTCTCCACCATGGCCTGGGC TCTGCTCCTCCTCAGCCTCCTCACTCAGGGCACAGGATCCTGGGCTCAGTCTGCCCTGAC TCAGCCTCGCTCAGTGTCCGGTCTCCTGGACAGTCAGTCACCATCCCCTGCACTGGAAC CAGCAGTGTGTTGGTAATTATAACTATGTCTCCTGGTACCGACAACACCCAGGCAAAGC CCCAAACTCATGATTTATGATGTCAATAAGCGGCCCTCAGGGTCCCTGATCGTTCTC TGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCGCTGGGCTCCANGCTGAGGATGA GGCTGATTATTACTGCTGCTCATATGCAGGCACCTACACTTTCGGGGTGTTCGGCGGAGG GACCAAGCTGACCGTCTAGGTCAGCCCAAGGCTGCCCCCTCGGTCACTCTGTTCCACC CTCCTCTGAGGAGCTTCAAGCCAACAAGGCCACACTGGTGTGTCTATAAGTGACTTCTA CCCGGGAGCCGTGACAGTGGCCTGGAAGGCAGATAGCAGCCCCGTC AAGGGCGGGAGTGG AGACCACACACCCTCAAACAAGCAACAACAAGTACGCGGCCAGCAGCTACCTGAGCC TGACGCCTGAGCAGTGAAGTCCCACAAAAGCTACAGCTGCCANGTCACGCATGAAGGGA GCACCGTGAGAAAACAGTGGCCCTACAGATGTTTCATAGTTTCATCCCTCACCCCA CCACGGGAGACTANAGCTGCAGGATCCCAGGGGAGGGTCTCTCTCCACCCAGGCATC AAGCCCTTCTNCCTGGCCCTCATAAACCTCCATAAATATCTCCATTGTCATCGAAAAAAA AAA
Restriction Sites:	Please inquire
ACCN:	BC030983
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).
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:	BC030983.1 , AAH30983.1
RefSeq Size:	916 bp
Locus ID:	3535
Cytogenetics:	22q11.22

Gene Summary:

Immunoglobulins recognize foreign antigens and initiate immune responses such as phagocytosis and the complement system. Each immunoglobulin molecule consists of two identical heavy chains and two identical light chains. There are two classes of light chains, kappa and lambda. This region represents the germline organization of the lambda light chain locus. The locus includes V (variable), J (joining), and C (constant) segments. During B cell development, a recombination event at the DNA level joins a single V segment with a J segment; the C segment is later joined by splicing at the RNA level. Recombination of many different V segments with several J segments provides a wide range of antigen recognition. Additional diversity is attained by junctional diversity, resulting from the random additional of nucleotides by terminal deoxynucleotidyltransferase, and by somatic hypermutation, which occurs during B cell maturation in the spleen and lymph nodes. Several V segments and three C segments are known to be incapable of encoding a protein and are considered pseudogenes. The locus also includes several non-immunoglobulin genes, many of which are pseudogenes or are predicted by automated computational analysis or homology to other species. [provided by RefSeq, Jul 2008]