

## Product datasheet for SC122226

### IL11 (BC012506) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL11 (BC012506) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL11
Synonyms:	adipogenesis inhibitory factor; AGIF; IL-11; Interleukin 11; oprelvekin
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for BC012506 edited  
GCTCAGGGCACATGCCTCCCCTCCCCAGGCCGCGCCAGCTGACCTCGGGGCTCCCC  
GGCAGCGGACAGGAAGGGTTAAAGGCCCGGCTCCTGCCCTGCCCTGGGGAACCC  
CTGGCCCTGTGGGACATGAACTGTGTTGCCGCTGGTCTGGTGTGCTGAGCCTGTG  
GCCAGATACAGCTGTCGCCCTGGGCCACACCTGGCCCCCTCGAGTTTCCCCAGACCC  
TCGGGCCGAGCTGGACAGCACCGTGCTCCTGACCCGCTCTCCTGGCGGACACGCGGA  
GCTGGCTGCACAGCTGAGGGACAAATCCAGCTGACGGGGACCACAACCTGGATTCCCT  
GCCACCCTGGCCATGAGTGCGGGGCACTGGGAGCTCTACAGCTCCCAGGTGTGCTGAC  
AAGGCTGCGAGCGGACCTACTGCTACCTGCGGCACGTGCAGTGGCTGCGCCGGCAGG  
TGGCTCTCCCTGAAGACCCTGGAGCCCGAGCTGGGCACCCTGCAGGCCCGACTGGACCG  
GCTGCTGCGCCGGCTGCAGCTCCTGATGTCCCGCCTGGCCCTGCCCCAGCCACCCCGGA  
CCCGCCGGCGCCCCGCTGGCGCCCCCTCCTACGCTGGGGGGGCATCAGGGCCGCCCT  
CGCCATCCTGGGGGGGCTGCACCTGACACTTGACTGGGCCGTGAGGGGACTGCTGCTGCT  
GAAGACTCGGCTGTGACCCGGGGCCAAAGCCACCACCGTCTTCCAAAGCCAGATCTTA  
TTTATTTATTTATTTAGTACTGGGGGCGAAACAGCCAGGTGATCCCCCGCCATTATCT  
CCCCCTAGTTAGAGACAGTCTTCCGTGAGGCCTGGGGGACATCTGTGCCTTATTTATAC  
TTATTTATTTTCCAGGAGCAGGGGTGGGAGGCAGGTGGACTCCTGGGTCCCCGAGGAGGAGG  
GGACTGGGGTCCCGGATTCTTGGGTCTCCAAGAAGTCTGTCCACAGACTTCTGCCTTTCAT  
TCTTCCCATCTAGGCCCTGGGCAGGAACATATATTTATTTAAGCAATTACTTTTCAT  
GTTGGGGTGGGACGGAGGGGAAAGGGAAGCCTGGGTTTTTTGTACAAAAATGTGAGAAAC  
CTTTGTGAGACAGAGAACAGGAATTAATGTGTCATACATATCCAAAAAAAAAAAAAAAA  
A



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC012506 unedited NGGGGTTTANGATTTGTAATACGACTTCTATAGGGCGGCCGCGATTCCCGGGATATCGTC GACCCACGCGTCCGGCTCAGGGCACATGCCTCCCCTCCCAGGCCGCGGCCAGCTGACC CTCGGGGCTCCCCGGCAGCGGACAGGAAGGGTTAAAGGCCCGGCTCCCTGCCCCCT GCCCTGGGAACCCCTGGCCCTGTGGGGACATGAACTGTGTTTCCCGCCTGGTCTGGTC GTGCTGAGCCTGTGGCCAGATACAGCTGTGCCCCTGGCCACCACCTGGCCCCCTCGA GTTTCCCAGACCCTCGGGCCGAGCTGGACAGCACCGTGTCTCTGACCCGCTCTCTCTG GCGGACACGCGGAGCTGGCTGCACAGCTGAGGGACAAAATCCAGCTGACGGGGACCAC AACCTGGATTCCCTGCCACCCTGGCCATGAGTGCGGGGCACTGGGAGCTCTACAGCTC CCAGGTGTGCTGACAAGGCTGCGAGCGGACCTACTGTCTACCTGCGGCACGTGCAGTGG CTGCGCCGGGAGGTGGCTCTTCCCTGAAGACCCTGGAGCCGAGCTGGGCACCCTGCAG GCCCGACTGGACCGGCTGCTGCGCCGGCTGCAGCTCTGATGTCCCGCTGGCCCTGCC CAGCCACCNCGGACCCGCGGCCCCCGCTGGCGCCCCCTCCTCAGCCTGGGGGGG ATCAGGGCCGCCACGCCATCTGGGGGGGCTGCACCTGACACTTGACTGGGCCGTGAG GGGACTGTGCTGCTGAAGACCTCGCTGTGACCCGGGGCCAAGCCACACCGTTCTCCA AACAGATCTTATTATTTATTTATTTAGTACTGGGGGCGAAACAGCCAGTGATCCCCCG NCC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC012506
<b>Insert Size:</b>	1201 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC012506.1</a> , <a href="#">AAH12506.1</a>
<b>RefSeq Size:</b>	1201 bp
<b>Locus ID:</b>	3589
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway

**Gene Summary:**

The protein encoded by this gene is a member of the gp130 family of cytokines. These cytokines drive the assembly of multisubunit receptor complexes, all of which contain at least one molecule of the transmembrane signaling receptor IL6ST (gp130). This cytokine is shown to stimulate the T-cell-dependent development of immunoglobulin-producing B cells. It is also found to support the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2012]