

Product datasheet for **MC206467**

Il1a (BC003727) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il1a (BC003727) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il1a
Synonyms:	Il-1a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003727
 GCCACTGGTGTCTCTTACAGAAATCAAGATGGCCAAAGTTCCTGACTTGTTTGAAGACCTAAAGAAGCTG
 TTACAGTGAAAATGAAGACTACAGTTCTGCCATTGACCATCTCTCTCTGAATCAGAAATCCTTCTATGAT
 GCAAGCTATGGCTCACTTCATGAGACTTGACAGACCAGTTTGTATCTCTGAGAACCTCTGAAACGTCAA
 AGATGTCCAACCTCACCTCAAGGAGAGCCGGGTGACAGTATCAGCAACGTCAAGCAACGGGAAGATTCT
 GAAGAAGAGACGGCTGAGTTTCAGTGAGACCTTCACTGAAGATGACCTGCAGTCCATAACCCATGATCTG
 GAAGAGACCATCCAACCCAGATCAGCACCTTACACCTACCAGAGTGATTTGAGATACAAACTGATGAAGC
 TCGTCAGGCAGAAGTTTGCATGAATGATCCCTCAACCAAACTATATATCAGGATGTGGACAAACACTA
 TCTCAGCACCACTTGGTTAAATGACCTGCAACAGGAAGTAAAATTTGACATGTATGCCTACTCGTCGGGA
 GGAGATGACTCTAAATATCCTGTACTCTAAAAATCTCAGATTCACTGTTTCTGAGCGCTCAAGGAG
 AAGACCAGCCCGTGTGCTGAAGGAGTTGCCAGAAACACCAAACTCATCACAGGTAGTGAGACCGACCT
 CATTCTTCTGAAAAGTATCAACTCTAAGAATACTTACATCAGCTGCTTATCCAGAGCTGTTTATT
 GCCACCAAGAACAAGTCGGGTGCACCTGGCACGGGGACTGCCCTCTATGACAGACTTCCAGATATCAT
 AAAAGCAGCCTTATTTCCGGGAGTCTATTCACTTGGGAAGTGTGACAGTCTGTATGTACCATGTACAGGA
 ACCTTCCTCACCTGAGTCACTTGACAGCATGTGCTGAGTCTGTAAATCTAAATGAATGTTTACCCT
 CTTTGTAAAGAGAAGAGCAAAACCCTAGTGGAGCCACCCGACATATGATACTATCTGTTATTTAAAGAGT
 ACCCTATAGTTTGTCTAGTACTAATCATTTAATTACTATTCTGCATGGCATTCTTAGGAGGATCAAAAA
 GACTCTACACATATTACAGATGGGTTAACAAAGGGATAAAAACACTGAAAAGCACACTCAATGCATTTGG
 AATATAAATTCACAGACCAATCTCACTGTGCACCTTCGGCTTCAAAATGCCAGTTGAGTAGGATAAAGGT
 ATAAGAATAATGCTGTCAATTTCAAAGGAAGGGGACAATAGCTACATCTTCTACCTCAGTGGGTT
 TTAAGTCCAGTGAATCATTGGATGAAATCCTCCTGTAACAGACCTCAAGAAGGAGACAGACTGTTGAAT
 GTTATTTTAAAGTTATTTATATATGATTTATAAATATATTTATGATAATTATATTATTTATGGAACAT
 CCTAAATCCTCTGAGCTTGACAGGCATCCTCACAGCAGGATTTCTAGGTGGTCAGTTAGATATAGTTT
 CCTCTAGAGCACCATGCTACAGACTTTACACTTTTTCCACAGCCACGAAGCTCTGTACATTCCTGTAC
 TTGGGAGCCCTTTCATCATGATCTTAATCTGACTGTTTACTTTGTTTCATCTAAAATGATAATTGAGTCA
 GTCTTTTTCCCTCCCATCCTTAAAGCTGTCTGGGTATTCTTACATCATTCACTGCTCACCTGTAACCTAA
 CCAACCATCTAAAGATGGAAAGAGCTTAACTGTGACAACCACATCACTGTACCTGAAGTTTCTTTTCTA
 GAATGTAATCAGTGTTCCTGGATTCCAATATTTTTTCAAACCACAGTATCATGTAACATCAACAA
 TAACAATCAACTCATTATTATTAATCATAATTAATAAAAACAAGTTTGAGCTGAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC003727

Insert Size: 813 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).

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.

RefSeq: [BC003727](#), [AAH03727](#)

RefSeq Size: 1973 bp

RefSeq ORF: 813 bp

Locus ID: 16175

Cytogenetics: 2 62.9 cM

Gene Summary: Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.
[UniProtKB/Swiss-Prot Function]