

Product datasheet for SC119900

IL3RB (CSF2RB) (NM_000395) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL3RB (CSF2RB) (NM_000395) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL3RB
Synonyms:	betaGMR; CD131; CDw131; IL3RB; IL5RB; SMDP5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000395 edited
CTCCCACCACACAGAGCCTGGAGGAGGCAGAGGCCAGGAGGGAGAGTCCCAAGAGCCT
GTGAAATGGGTCTGGCCTGGCTCCCAGCTGGGCAGGAACACAGGACTTCAGGATACTAAG
GACCCCTGTCATGCCCATGGCCAGCACCCACAGTGTGGTGCCTGCCTGTCCAGAGCTGA
CCAGGGAGATGGTGTGGCCAGGGCTGCTCTCCATGGCCCTGTGGCCTGTGTGGG
AGCGCAGCCTGGCAGGGGAGAAGAAACCATCCCCTGCAGACCCTGCGTGTACAACG
ACTACACCAGCCACATCACCTGCAGGTGGCAGACACCCAGGATGCCAGCGGCTCGTCA
ACGTGACCCTCATTGCGCGGGTGAATGAGGACCTCCTGGAGCCAGTGTCTGTGACCTCA
GTGATGACATGCCCTGGTCACTGCCCCATCCCCGCTGCGTGGCCAGGAGATGTGTCA
TTCCCTGCCAGAGTTTTGTGCTACTGACGTTGACTACTTCTCATTCCAACCAGACAGGC
CTCTGGGCACCCGGCTCACCGTCACTCTGACCCAGCATGTCCAGCCTCCTGAGCCAGGG
ACCTGCAGATCAGCACCGACCAGGACCACTTCCCTGCTGACCTGGAGTGTGGCCCTTGGGA
GTCCCCAGAGCCACTGGTTGTCCCCAGGGGATCTGGAGTTTGAGGTGGTCTACAAGCGGC
TTCAGGACTCTTGGGAGGACGCAGCCATCCTCCTCTCCAACACCTCCCAGGCCACCCTGG
GGCCAGAGCACCTCATGCCAGCAGCACCTACGTGGCCCGAGTACGGACCCGCTGGCC
CAGGTTCTCGGCTCTCAGGACGTCCCAGCAAGTGGAGCCAGAGGTTTGTGGGACTCCC
AGCCAGGGGATGAGGCCAGCCCCAGAACCTGGAGTGTCTTTGACGGGGCCGCGTGC
TCAAGCCAGCCCAGATGCAGGGGAGGAAGAGTGTCCCCAGTGTGAGGGAGGGGCTCG
GCAGCCTCCACACCAGGACCACTGCCAGATTCCCGTGGCCGACCCCGGACCCACGGCC
AATACATCGTCTGTGTTAGCCAAGGAGGGCAGAGAAACACATAAAGAGCTCAGTGAACA
TCCAGATGGCCCTCCATCCCTCAACGTGACCAAGGATGGAGACAGCTACAGCCTGCGCT
GGGAAACAATGAAAATGCGATACGAACACATAGACCACACATTTGAGATCCAGTACAGGA
AAGACACGGCCACGTGGAAGGACAGCAAGACCGAGACCTCCAGAACGCCACAGCATGG
CCCTGCCAGCCCTGGAGCCCTCCACCAGGTAAGTGGGCCAGGGTGAGGGTCAAGACCTCCC
GCACCGGCTACAACGGGATCTGGAGTGTGGAGTGTGGAGTGTGGGCGCGCTCCTGGACACCGAGT
CGGTGCTGCCTATGTGGGTGCTGGCCCTCATCGTGATCTTCTCACCATCGCTGTGCTCC



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TGGCCCTCCGCTTCTGTGGCATCTACGGGTACAGGCTGCGCAGAAAGTGGGAGGAGAAGA
 TCCCAACCCAGCAAGAGCCACCTGTTCCAGAACGGGAGCGCAGAGCTTTGGCCCCAG
 GCAGCATGTGGCCTTACTAGCGGGAGTCCCCACACCAGGGGCGTGGGGCAGCCGCT
 TCCCTGAGCTGGAGGGGTGTTCCCTGTAGGATTGCGGGACAGCGAGGTGTACCTCTCA
 CCATAGAGGACCCCAAGCATGTCTGTGATCCACCATCTGGGCTGACACGACTCCAGTG
 CCTCAGATCTACCCACAGAGCAGCCCCCAGCCCCAGCCAGGCCCGCTGCCCTCCC
 ACACACCTGAGAAACAGGCTTCCAGCTTTGACTTCAATGGGCCCTACCTGGGGCCGCC
 ACAGCCGCTCCCTACCTGACATCCTGGGCCAGCCGGAGCCCCACAGGAGGGTGGGAGCC
 AGAAGTCCCCACCTCCAGGGTCCCTGGAGTACCTGTGTCTGCCTGCTGGGGGCGAGTGC
 AACTGGTCCCTCTGGCCAGGCGATGGGACCGGGACAGGCCGTGGAAGTGGAGAGAAGGC
 CGAGCCAGGGGCTGCAGGGAGTCCCTCCCTGGAGTCCGGGGGAGGCCCTGCCCCCTG
 CTCTGGGCCAAGGGTGGGAGGACAGGACAAAAGGACAGCCCTGTGGCTATACCATGA
 GCTCTGGGGACACTGAGGACCCTGGAGTGGCTCTGGTTATGTCTCTCTGCAGACTGG
 TATTCACCCAAACTCAGGGCCTCGTCTGTCTCCCTAGTTCCCTCTCTGGGCTCCCT
 CAGACCAGACCCAGCTTATGTCTGGGCTGGCCAGTGGACCCCTGGAGCCCCAGGCC
 CTGTGAAGTCAGGGTTTGAAGGCTATGTGGAGTCCCTCCAATTGAGGGCCGGTCCCCCA
 GGTCAACCAAGGAACAATCCTGTCCCCCTGAGGCCAAAAGCCCTGTCTGAACCCAGGGG
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 AAGTGGGCGACTATTGCTTCTCCCGGCTGGGGCCCGCCCTCTCTCGCTCCGGAGTA
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 CACTCCGAGAAATGGGCATGGTATTGGGGTCCGGGGGGCGGTGCAAGGGACGCACATGA
 GAGACTGTTTGGGAGCTTCTGGGGAGCCCTGCTAGTTGTCTCAGTGTCTGTGGGACC
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 TGGCGGGACCTGGGGAACATCAGGAGAGGAGTCCAGAGCCACGCTACTGCGGAAAXX
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 GTCCTCCCATTTGCAAAGCAGTGTGTTCCTAATTTATATATTGTTTTTCTAGTTCAATTT
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 GGTGCCTTTTGGTACTGAAATCTTTTTCCATGTACCTGAAGTGTACTTTTGTGATATA
 GGAAATCCTTGTATATACTTTATTGGTCCCTAGGCTTCCCTATTTTGTACCTTGCTTT
 CTCTATGGCATCCACATTTTGTGTTCTACTTTTATGATATGTTTTATAAGTGGTTA
 AGCAAGTATTCTCGTTACTTTTGTCTTAAATCCCTATTCATTACAGCAATGTTGGTGGT
 CAAAGAAAATGATAAACAACCTTGAATGTTCAATGGTCTGAAATACATAACAACATTTTA
 GTACATTTGTAAGTAGAATCCTCTGTTTCAATGAACAAGATGAACCAATGTGGATTAGA
 AAGAAGTCCGAGATATTAATCCAAAATATCCAGACATTGTTAAAGGGAAAAAATGCAA
 TAAAATATTTGTAAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000395 unedited
TATATCCCCCGCCGTTGNCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA
GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCG
CGAATTCGGCAGGAGGCTCCCACCACACAGAGGCTGGAGGAGGCAGAGGCCAGGAGGGA
GAGGTCCCAAGAGCCTGTGAAATGGGTCTGGCCTGGCTCCCAGCTGGGCAGGAACACAGG
ACTTCAGGATACTAAGGACCCTGTCATGCCCATGGCCAGCACCCACCAGTGTGGTGCCT
GCCTGTCCAGAGCTGACCAGGGAGATGGTGTGGCCAGGGGCTGCTCTCCATGGCCCTG
CTGGCCCTGTGCTGGGAGCGCAGCCTGGCAGGGGCAGAAGAAACCATCCCGCTGCAGACC
CTGCGCTGCTACAACGACTACACCAGCCACATCACCTGCAGGTGGGCAGACCCAGGAT
GCCAGCGGCTCGTCAACGTGACCCTCATTGCGCGGTGAATGAGGACCTCCTGGAGCCA
GTGTCCTGTGACCTCAGTGATGACATGCCCTGGTCAAGCCTGCCCATCCCGCTGCGTG
CCCAGGAGATGTGTCATTCCCTGCCAGAGTTTTGTCGTCAGTGTGACTACTTCTCA
TTCCAACCAGACAGGCTCTGGGACCCCGCTCACCGTCACTCTGACCCAGCATGTCCAG
CCTCTGAGCTCAGNGACCTGCAGATCAGCACCGACCAGAACCCTTCTGCTGACCTGG
AGTGTGGCCCTTNGAGTCTCAGAGCCACTGGTGTCTCTAGGGATCTGGAGTTTGAG
GTGATCTACAAGCGGCTACAGGACTCTTNGAGGACGCAGNCATNCTCTATCTACACCT
TTCTAGCCCTCTGNNGCCAGAGCACTCATGTCCACAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000395 unedited
GGCTACTATGTACCGTCGGCCGCTTTTAGGATCGATTTTTTTTTTTTTTTTTTTTGTACA
AATATTTTATTGCAATTTTTTCCCTTTAACAATGTCTGGATATTTTGAATTAATATCTC
GGACTTCTTTCTAATCCACATTGGTTCATCTTGTTCATTATGAACAGAGGATTCTACTTT
ACAATGTACTAAAATGTTGTTATGTATTTCAAGACCATTGAACATTCAAGTTGTTTATCA
TTTTCTTTGACCACCAACATTGCTGTAATGAATAGGGATTTAAGAGCAAAAAGTAACGAGA
ATACTTGCTTAACCATTATGAAAACATATCATAAAAGTAGAACAATCAAAATGGTGGAT
GCCATAGAGAAAAGCAAGGTAACAAAATAGGAAGCCTAGGGACCAATAAAGTATATATA
AGGATTTCTATATCACAAAAGTAACACTTCAGGTACATGGAAAAAGAATTTTCAGTACCA
AAAGGCACCTCAGTCTCACATCCACACATTCAAAAATAATTAATAATTTTACATGAAAAGT
TGGAAACACAAAATGAACTAGAAAAACAATATATAAATTATGACAAACACTGCTTTGCAA
TGGGAGGACCTTTGTAATCTGACAGTTAAAGTAAAAAAGAGTTTACTANGGATCTGTT
TGACATTACAGAAGCTTCTTTTCATACACCCTAAAACCTCCTATTCCACATTGTTAGGAC
AAACCACAGATTTGGGGGAAAAAACCTCCACCATCTGTGAAAAAAGTGTGTTGCCATAG
TTCAAAAAGACCTTATCCGGAAAAATGATAGCCCCCACAGGAAAAAAAACCTAATGGG
GCTCTGGCCCCCTATAAATAACCATCGCTGGCCAAAAACCTTAA

Restriction Sites:

NotI-NotI

ACCN:

NM_000395

Insert Size:

5000 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:	<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:	<u>NM_000395.1</u> , <u>NP_000386.1</u>
RefSeq Size:	2996 bp
RefSeq ORF:	2694 bp
Locus ID:	1439
UniProt ID:	<u>P32927</u>
Cytogenetics:	22q12.3
Domains:	FN3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Apoptosis, Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
Gene Summary:	The protein encoded by this gene is the common beta chain of the high affinity receptor for IL-3, IL-5 and CSF. Defects in this gene have been reported to be associated with protein alveolar proteinosis (PAP). [provided by RefSeq, Jul 2008]