

Product datasheet for **SC101738**

IL28 Receptor alpha (IFNLR1) (AK094159) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL28 Receptor alpha (IFNLR1) (AK094159) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL28 Receptor alpha
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK094159, the custom clone sequence may differ by one or more nucleotides

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AGTTTCTTGCTCTTCTTCACTATAATGGGGTTTGCATCAGCTCCCCAAAATATGGGAAGCACAGAGCAG
GTGGTGGCTGAAGGTGGGGTATCCTGTGAAACCATATTTAAGATCAGAGCCCTTGGTCCATTGTGTTGTA
ATCAGCTGGCTCAGGAAAGAACACCTGGCTGTCCAGAGCTACACCTACTGCACCTGGGTGTGAAAGGAG
GCCTGAGAACCCATGGGTCCAAACCCACCCACTCCAAATTATCATCCAGTATTGAGAACTCTGACACC
AAATTCTCAGGAGCATATGTTTATGCAGTTTTACATTTAATTTCTCATTACATTACAATTGGGAAACTG
AGGCCCCAGAAGAGGCAGAGACTGGTCCAGATCTCAGGAGGTGGGCAGGCTCCAGAGCATTAGAGAGGGC
TCCAGTTCCTAGGCCTTGGCTCCGTCACCTTATCAGGTTTGTTCGAAATTAGAGTCTGTAGCTACA
CATTGAGGAGCACAGAAAATGAGCAGATTGAGGGTTCTGTTTACATGGGACCTCTCCATGTCAGTTTCAA
GATAACAGGACTGGGGTCTGCATCCAGCTCTGAGGGCAACTGGAAGTAAAATGAGCTATGCTCCACCTC
AGCCTAATGTAGACAGTGCCTACAGGAAAGCCTGTTTTCTTCTCATAAATAGGGGTGCCTGAAGTGGGT
GACCTTGATGATTTACATACTCATAAGTGTCTGCCAGCCTGGATTCTTGCTCTGAGACTGCAAAAATGC
ACCCACTCTGCAGATCCTTCAAATCAGAGGGAGGCATGGCCACTTGAGAGGCATCTTGGGTAGATGAAGA
TGAGACAGAGTTAAATGTGCCAGAGCACTGGACTCTGAGGCTGAGGTCCACGGAAAATCTCAGCTACTGT
TGCGTTCTTAAGTCTCATTGAAAGTGGTAGAAAATAATTTCACTGGATAAGGGGAGGATACCTCATG
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CTTGGGCGCTTCCAGATCTGCTACTTTATCCCCTAGGACCTTGAAGAACCAGTGTCTTGAGGACAGAAAA
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CCTCATGTTGTTATCAGTGTATCCACATTATCATGTGGTCAAAGGGGAAGGGATATTAGAGATCCCCC
ATATAATCACTTAGCCAGTCTTTTTCCCTTGCCTCACCATTTGCCAGCGACCCTGGTGGGTCCAACAT
GTGGTACAGAAAATATTACATCATGTCTGCACCCCCAACCCAGGACCAAAACAGTCTGAGGACCGCTGG
ACAAAAGCACTAAAGCAAGTATATGTGAAAGAAAAAGCAAGGACTATAATATAAAGTAGATTATTGAGA
AGAAAACCTGGAAAATTATTGCATGGGAGGACCTCAGGCCTCACTGAGGTGACTTTTAAATCCATGATGAG
GATGACAGCAGGGAGGCATCTGCACAAGCATGTGTGAGGAGAAGCCACCCTTAGTGAAGACTCATAG
GTGTGAGTTTGGCAGAGGTAAGGAGGACTAGTTGGCTGCAGACAGCCTGAGAAAGAGATAAGCAGAGG
GATGGAGAATCCTAGGCCTGGGAGATGAGGTTAGATATCTGCTCTTTCTGACAACATTGCCCTAAAAG
TCAGCATTTTCAACAACATATAATATCTCATAATGTGTGTGGACCAGAATCTGGACACAGTTCAGCTGGC
TACCTCTGCCTTCAGGTCTTTATGAGACTGGGGCTGTGGTCTTAAGTGAAGCTGGACTGGGAAAGCAT
GAGCCTTTAAGCTGACTCATGTGAAAATTGACAGGGTTTGTGTGGACAGAGAGCCTGACTTTCTTCTC
TCTACTCATCTGAGCACCCTCACCTTTGTTATGTGGGTCTCTACACGGAGCATCTCATAGCATTGGA
GCTTGCTTCTGTGTTTGGAGAAACAATAGACAGAATTAGACAAAAAGGTTTACACAAAAGAGACAGA
AAGATCGAGGGCGCAAACGAGAAAAACCCAGTAGGAGAAAAATTAGAGCTTTAAAACATCTTGACAGGG
TGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGATGCTGAGACGTGTGGATCGCCTGAGGTCAAGGG
TTTGAACCAACCTGGACAACATGGTGAACACCCTCTCTTCTAAAAATACAAAATGAGCCTGATGTGG
TGGCGCATGCCTGTAATCCCAGTACTTGGGAGACTGAGGCAGGAGAATCAATTGAACCTGGGAGCGGAA
GGTTCAGTAAGCCGAGATCACACCACTGCACTCCAGCCTGGGATACAAGAGTAAAATGTGTCTC
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5' Read Nucleotide Sequence:	>OriGene 5' read for AK094159 unedited NNNNGGGGTTTCAACAATTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGAA CATTTTAACAAAAACAAAAGAAACAACTGGCAACAAATATGTGAAGTTTATATTACAAA GATGCTCACTTATCCACTCTAAAGAGAGCTTTTAGAATTTGATTTAAAATACGGCAAAGA CCATTATCCCACNNACTTACAGAAAAATAAATTTAAGCAGCTGTTAACACATGAATGT ATTATCAAGCTCAGATATAATCAAAATTAATATTTGACAAGAGATTCTACAGTTTGGGA GAAATAGAAGTGTTTTTTTTCTTTTCCCCAGGCCACAAGTCTAGTTTCTTGCTCTTCTT CACTATAATGGGGTTTGTTCATCAGCTCCCCAAAATATGGGAAGCACAGAGCAGGTGGTGG CTGAAGGTGGGGTATCCTGTGAAACCATATTTAAGATCAGAGCCCTTGGTCCATTGTGTT GTAATCAGCTGGCTCAGGAAAGAACACCTGGCTGTCCAGAGCTCTACACCTACTGCACTG GGTGTGAAAGGAGGCTGAGAACCCATGGGTCCCCAAACCCACCCCACTCCAAATTATCAT CCAGTATTGAACTCTGACACCAAAATTCACAGAGCATATGTTTATGCAGTTTACAT TTAATTTCTCATTACATTACAATTGGGAACTGAGGTCCCAGAAGAGGCAGAGACTGGTC CAGATCTCAGGAGGTGGCAGGCTCCAGAGCATTAGAGAGGCTCCAGCTTCTAGGCCCT TGGCACCGTCCCCTTATCANGNNTTGTTCGAAATTAGAGTCTGTAGCTACACATTCA GGAGCACAGAAAATGAGCAGATTCAGGGNTCTGTTCCATGGGGTCTTNCATGTCAGT T
Restriction Sites:	NotI-NotI
ACCN:	AK094159
Insert Size:	3000 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:	AK094159.1
RefSeq Size:	2516 bp
RefSeq ORF:	2516 bp
Locus ID:	163702
Cytogenetics:	1p36.11
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Gene Summary:

The protein encoded by this gene belongs to the class II cytokine receptor family. This protein forms a receptor complex with interleukine 10 receptor, beta (IL10RB). The receptor complex has been shown to interact with three closely related cytokines, including interleukin 28A (IL28A), interleukin 28B (IL28B), and interleukin 29 (IL29). The expression of all three cytokines can be induced by viral infection. The cells overexpressing this protein have been found to have enhanced responses to IL28A and IL29, but decreased response to IL28B. Three alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]