

Product datasheet for **SC126092**

IL28 Receptor alpha (IFNLR1) (BC024651) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | IL28 Receptor alpha (IFNLR1) (BC024651) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | IFNLR1 |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Cell Selection: | None |



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Fully Sequenced ORF: >OriGene sequence for BC024651 edited
GTTTTATTTAGTACACAGGCAAGCAGCATAATCCAGTTTGTATTTTAGAAAGATCATATC
AGTTGCTGTATGGAACTAGATTGGAAGGGCCAGGAGAGGACCCAAGGAGGCCATTCTGT
TATTTAGGGAAGAGATGATGGTGGTGTGGATCGGGTTGTGGTGGTGGAGGAGGAGAGAA
GTGCACAGATTGTAGAAGTGTATAAGCAGTCAAGATTTGTCGATGGAGTACATGTGG
GCAGTGTCAAGATTGTGCCACATTTCTTTTTCTTTTTTTTTTTTTTTTGTGGTGGG
ATGGAGTCTCACTGTATTGCCAGGCTGGAGTTCAGTGGCACCCTCGGCTTACTGCAG
CCTCCACCTCCCGGGTTCAAGCGATTCTCTGCCTCAGCCTCCCGGGTACCTGGGGCTAC
AGGCGCCCGCTACCACACCCAGCTAATTTTTGTATTTTTAATAGACATGAGGTTTCGCCA
TGTTGGCCAGGCTGTTCTCGAACTCCTGACCTCAAATGATCTGCCCGCCTCAGCCTCCCA
AAGTGCTGAGATTACAAGTGTGAGCCACTGTGCCCGGCTTAAATTTCTGATGGAAGGGT
GCCATATACCGAGAAGGGGAAATCTGGCAGGGGAACAGGTTTGGGAGAAATCAAGAATT
CTATTTTTTTTTAATTTTTGTTTTTAGAGACAGGGTCTCCTTCTTTTCCCAGGCTG
GAATGCAGTGGTGCAGTCATAGCTCACCACAGCCTTGAATTCCTGGGCTTAAAGCAATCCT
CGTGCTTCCACAGGCACATGCCACCACATCCATGCTAATTTGTTTCTTCTTGGTAAAG
ATGAGGTCTCGCTGTGTTGCCTAGGCTGGTTTCAAACCTTTGGGCTTAAAGTATCCTCTT
GCCTTGGCCTCCCAAAATGTTAGGGTTACAAGCATGAGCCACTTGTGCCTGGCCAAGAAT
TCTATCTGTATATCTTTATAGGCTTTGAGACATCCAAGTGGAGATGTCAAGAAGGCAGTA
TGTGAGTTTGAATTCAAAGGAGCGGGCTGGAGATACACATTTGAGAGCTGTTAGCATCG
AGACCGTGGGTTTCAAACCTGCATCTGTGTGAGAATCACTTGGCGTCATTTCCAGAGAGT
ATGATTCAGTGGTGGTATCTTAGGCTTTAATGGCAAGCAAGAGAAACCATCCTGAGCTG
ATTTAAGCAGAAAAGGGCTGCACTGAAAGGGAATGTTCAAGTACAGAAATTTCTGGG
AAGTTGGAAAAC TGGGGCTGGGCAGCAGGCAGGATCTCAGCCAAAATCATGCCACCGAGC
CAGTTTGGCAGGACACTGCTGCCACACACTAAATGCCATCGCTGTGCTACTGTTCCCTGA
ACACTAGACACCAATTGCTGTGGTTGCCACCAGCATTGGAATGGATCTTCCACTGTGCTCC
TGATTCAAAGTCTGTAGTGAGGGCTTCTGATTGGTTGAGCTTAGGTGTAAGGGAGGCTGG
AAAAGCAAGAATTTGTTGTTTTAGCTTTTACAGGAGGTGAACTCTGCCAAGACCTGTGC
AGTGAGGAAGTCCCAGACATAGGAAGGAGTCAAGTCCAGACTGGCACACAATGACAG
ATGTAATGACAGCAAGTTTCCAGCTTGTGGGATTGTCTGGGAATCTGCATTTAAACCA
GCACCCTGAAAATCCCATGCAGGTGCTGCCTGAACCACATTTGCATCCATTGCTTGAAC
TGGTACTTAAAGCTGTGGGGCTGGGCGGGTGGCCACGCCCGTAATCCCAGCACTTTG
GGAGGCTGAGGCAGGGGGACCACTTGAAGTCAAGGATTTGAGACCAGCCTGGCCAACATG
GCGAAACCCCGTCTCACTAGAAATGCAAAAAATTAGCCGGGCGTGGTGGCACGCACCTGT
AGTCCCAGCTATTCGGAGGCTGAGGCAGGAGAATCGCTTGAACCCGGGAGGTGGAGGTTG
CAGTGAGCCGAGATTGCCCACTGCACTCCAGCCTGGGTGAAAGGGCAAGACTGTGTCTC
AAAAAAAAAAAAAAAAAAAA

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| 5' Read Nucleotide Sequence: | >OriGene 5' read for BC024651 unedited GGTTCTGATTTGTATACGACTCACTATAGGCGGCCGCGTAATCAGATCTGGTACCGGTCC GGAATCCCGGGATATCGTCGACCCACGCGTCCGGTTTTATTTAGTACACAGGCAAGCAG CATAATCCAGTTTGTATTTTAGAAAGATCATATCAGTTGCTGTATGGAACTAGATTGGA AGGGCCAGGAGAGACCCAAGGAGGCCATTCTGTTATTTAGGGAAGAGATGATGGTGGTG TGGATCGGGTTGTGGTTGGTGGAGGAGGAGANAANTGCACANATTGNANAANTGTTTTAT AAGCAGTCAAGATTTGTGCGATGGAGTACATGTGGGCAGTGTCAAGATTGTGCCACAT TTCTTTTTTCTTTTTTTTTTTTTTTGTTTGATTGGGATGGAGTCTCACTGTATTGCCAGGC TGGAGTTCAGTGGCACCATCTCGGCTTACTGCAGCCTCCACCTCCCGGGTTCAAAGCGAT TCTCTGCCTCAGCCTCCCGGTACCTGGGGCTACAGGCGCCCGTACCACACCCAGCTA ATTTTTGTATTTTAAAAACATGAAGTTTCCCATGGTGGGCAAGCTTGTTCGAACT CTGAACCCAAAAGATTTGCCCGCTCAGCCTCCAAAAGGCGGAGATTACAGGGGGGAGC CACTGGGCCCCGGCCTAAAATTTGAGGAAGGGGGCCCTATCCAGAAAGGGGAAAA TTGGCAGGGAAACAGTTTGGGGAGAAAAACAGAAATCCTATTTATATCTTAAGTTTGTG GTTTGGTAGAGACGGGTCTCTTTTTTTGGCCACCCGGTGAAGCCCGTGGAGCGGGCT AGAGTCTACCACCGCTTTGGAGTACCGGACATGTAGAAACCGGGTGGGTAAACAGGNAC CATGGCCACCACATCCCATCATAATTAGTTTAT |
| Restriction Sites: | Please inquire |
| ACCN: | BC024651 |
| 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: | BC024651.1 |
| RefSeq Size: | 2059 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]