

Product datasheet for **SC109344**

IL15RA (NM_002189) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL15RA (NM_002189) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL15RA
Synonyms:	CD215
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109344 sequence for NM_002189 edited (data generated by NextGen Sequencing)

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ATGGCCCCGCGGGCGCGCGGCTGCCGACCCTCGGTCTCCCGCGCTGCTACTGCTG
CTGCTGCTCCGGCCCGCGGACGCGGGGCATCACGTGCCCTCCCCCATGTCCGTGGAA
CACGCAGACATCTGGGTCAAGAGCTACAGCTTGTACTCCAGGGAGCGGTACATTTGTAAC
TCTGGTTTCAAGCGTAAAGCCGGCACGTCCAGCCTGACGGAGTGC GTTGAACAAGGCC
ACGAATGTCGCCACTGGACAACCCCCAGTCTCAAATGCATTAGAGACCCTGCCCTGGTT
CACCAAAGGCCAGCGCCACCCTCCACAGTAACGACGGCAGGGGTGACCCACAGCCAGAG
AGCCTCTCCCCTTCTGAAAAGAGCCCGCAGCTTCATCTCCAGCTCAAACAACACAGCG
GCCACAACAGCAGCTATTGTCCCGGCTCCAGCTGATGCCTTCAAATCACCTTCCACA
GGAACCACAGAGATAAGCAGTCATGAGTCCTCCACGGCACCCCTCTCAGACAACAGCC
AAGACCTGGGAATCACAGCATCCGCCTCCACCAGCCGCGAGGTGTGTATCCACAGGGC
CACAGCGACACCACTGTGGCTATCTCCAGTCCACTGTCCTGCTGTGTGGGCTGAGCGCT
GTGTCTCTCTGGCATGTACTCAAGTCAAGGCAAACCTCCCCGCTGGCCAGCGTTGAA
ATGGAAGCCATGGAGGCTCTGCCGGTACTTGGGGGACCAGCAGAGATGAAGACTTG
GAAAATGCTCTCACCACCTATGA

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Clone variation with respect to NM_002189.3
545 a=>c



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002189 unedited</p> <pre>GGATTTTGTAAATACGACTCACTATAGGGCGGCCCGCAATTCGCACGAGGGGAGTCCAGC GGTGTCTGTGGAGCTGCCGCCATGGCCCCGGCGGGCGCGGCTGCCGGACCCTCGG TCTCCCGGCGTCTACTGCTGTCTGCTCCGGCCCGGGCGACGCGGGGCATCACGTG CCCTCCCCCATGTCCGTGGAACACGCAGACATCTGGGTCAAGAGCTACAGCTTGTACTC CAGGGACCGGTACATTTGAACTCTGGTTTCAAGCGTAAAGCCGGCACGTCCAGCCTGAC GGAGTGCCTGTTGAACAAGGCCACGAATGTCGCCCACTGGACAACCCCAAGTCTCAAATG CATTAGAGACCCTGCCCTGGTTACCAAAGGCCAGCGCCACCCTCCACAGTAACGACGGC AGGGGTGACCCACAGCCAGAGACCTCTCCCTTCTGAAAAAGAGCCCGCAGCTTCATC TCCCAGCTCAAACAACACAGCGGCCACAACAGCAGCTATTGTCCCGGGCTCCCAGCTGAT GCCTTCAAATACCTTCCACAGGAACACAGAGATAAGCAGTCATGAGTCTCCACGG CACCCCTCTCAGACAACAGCCAAGACCTGNGAACTCACAGCATCCGCCTCCACCAGCC GCCAGGTGTATCCACAGGGCCACAGCGACACCACTGTGGCTATCTCCACGTCCACTGT CCTGCTGTGTGGCTGAGCGCTGTGTCTCTCTGGCATGTACCTCAAGTCAAGGCANAC TCCCCCGCTGCCAGCGTTGAAATGGAAGCCATGNNAGCTCTGNNCGTGACTTGNNGGAC CAGCAGCAGAGATGAAGACTTGGAACTGCTCTCACACCTATGAAACTCNGAAACCAG NCCAGTGTAGTCCGNAGTGAAGAGCTCTGCTTTACTAAGACACTGAAAGAGTGCAGGAA GCGGNCTCAGACAGCTACCAGCNTAAAGTCCACAGATTACGACTGTGCGTCCGGCT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002189 unedited</p> <pre>AAGGAGGCGCCTAGGNGAATGGCACTTCCAGGNCCAGNAAAGCACTGGGGNAGGGTCAC AGGATGCCACCCGGGAATTCTGTTCCAGGAAAACAGCTATGACCGCGCCCAATCTAGAG TCGAGTTTTTTTTTTTTTTTTTTTATTGAAAATAGATGTTTTATTTTGTATACAAGGT ACAATGTCAAATAACAAATAATATAATGTATAGATATAATAGACAAGGAAGTATAAAT ATAAACGCATATATTCGTAATAATGGCACTGAGTTGAGTTTTCTTCTTCCGAATCCTTCA ATGGAGAGGATTCGCTGGGCTCAGCATCTCTCCACCTTCCAGGTCCCTGTCCATGTG TGCAGAGCAGCTGGAGACAGGGTGGTTAGAAGCCCAAACGCTGGTGTCTTCCCTGTAGAC GTCTCCACGCCAGGAGAAGCCTTGAATTGACAGAGAGCTTTGGGTATGTCACCTTTCT CTGTGAACTGCAAGTTAGGATGAGGGACGGAAGATTCGGGGCAGGGTTTTCATTTATCA CCACATGATTTCCAAGCAGCTCACACTGTAATGAAATAAAAAATCCTGCTCAGAAGCCTTT GGTCTCTCTGGGAAGCTGGGCCCTGGGTCCAAGGCACGACAGGCAGGCAAGTGGTGCCC ATGGGAAAAGCGGAGAACCTGCTCCTTCGCGCAGGAAGCGCCGAACCCGCACTCCGGGAAT CCTGCTGGAATTTTAAAAAGCCTGGTGAACCTGTTCTGAAACCCGCCTATTGCAACTA TTTCTAATAACTTTTACTAAAGCAAAAAAGCTCCTTTTTTCCAAATTATCTTGGATGG CTTACCAAAATTTTAAATTTGTGGAGAACATTTCCACAGTCTCACTTGN</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_002189
Insert Size:	1600 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:	NM_002189.2 , NP_002180.1
RefSeq Size:	1610 bp
RefSeq ORF:	804 bp
Locus ID:	3601
UniProt ID:	Q13261
Cytogenetics:	10p15.1
Domains:	CCP
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
Gene Summary:	<p>This gene encodes a cytokine receptor that specifically binds interleukin 15 (IL15) with high affinity. The receptors of IL15 and IL2 share two subunits, IL2R beta and IL2R gamma. This forms the basis of many overlapping biological activities of IL15 and IL2. The protein encoded by this gene is structurally related to IL2R alpha, an additional IL2-specific alpha subunit necessary for high affinity IL2 binding. Unlike IL2RA, IL15RA is capable of binding IL15 with high affinity independent of other subunits, which suggests distinct roles between IL15 and IL2. This receptor is reported to enhance cell proliferation and expression of apoptosis inhibitor BCL2L1/BCL2-XL and BCL2. Multiple alternatively spliced transcript variants of this gene have been reported.[provided by RefSeq, Apr 2010]</p> <p>Transcript Variant: This variant (1) lacks an alternate in-frame 5' coding exon, compared to variant 4. This results in a shorter isoform (1), compared to isoform 4.</p>