

## Product datasheet for **SC305707**

### IL22 RA2 (IL22RA2) (NM\_052962) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL22 RA2 (IL22RA2) (NM_052962) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL22 RA2
Synonyms:	CRF2-10; CRF2-S1; CRF2X; IL-22BP; IL-22R-alpha-2; IL-22RA2; ZCYTOR16
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_052962 edited  
 GCCCTTTCCTCTTTGGTCTGAGCTGGTAAAAGGAACACTGGTTGCCTGAACAGTCACA  
 CTTGCAACCATGATGCCTAACATTGCTTTCTAGGCTTCCTCATCAGTTTCTTCCTTACT  
 GGTGTAGCAGGAACACTCAGTCAACGCATGAGTCTCTGAAGCCTCAGAGGGTACAATTTAG  
 TCCCGAAATTTTCAACATTTTGAATGGCAGCCTGGGAGGGCCTTACTGGCAACAGC  
 AGTGTCTATTTTGCAGTACAAAATCATGTTCTCATGCAGCATGAAAAGCTCTCACCAG  
 AAGCCAAGTGGATGCTGGCAGCACATTTCTGTAACCTCCAGGCTGCAGAACATTGGCT  
 AAATATGGACAGAGACAATGGAAAAATAAAGAAGACTGTTGGGGTACTCAAGAACTCTCT  
 TGTGACCTTACCAGTGAAACCTCAGACATACAGGAACCTTATTACGGGAGGGTGAGGGCG  
 GCCTCGGCTGGGAGCTACTCAGAATGGAGCATGACGCCGCGTTCACTCCCTGGTGGGAA  
 ACAAAAATAGATCCTCCAGTCATGAATATAACCCAAGTCAATGGCTCTTTGTTGGTAATT  
 CTCCATGCTCAAATTTACCATATAGATACAAAAGGAAAAAATGTATCTATAGAAGAT  
 TACTATGAACTACTATACCGAGTTTTTATAATTAACAATTCAGTAAAAAGGAGCAAAAG  
 GTTTATGAAGGGCTCACAGAGCGTTGAAATTGAAGCTAACACCACACTCCAGCTAC  
 TGTGTAGTGGCTGAAATATATCAGCCATGTTAGACAGAAGAAGTCAGAGAAGTGAAGAG  
 AGATGTGTGAAATTCATGACTTGTGGAATTTGGCATTAGCAATGTGGAATTTCTAAA  
 GCTCCCTGAGAACAGGATGACTCGTGTGTTGAAGGATCTTATTTAAAATGTTTTTGTATT  
 TTCTTAAAGCAATATTCAGTGTACACCTTGGGGACTTCTTTGTTATCCATTCTTTTAT  
 CCTTTATATTTTCAATTTGTAACCTATATTTGAACGACATCCCCCGAAAAATGAAATGT  
 AAAGATGAGGCAGAGAATAAAGTGTCTATGAAATTCAGAATTTATTTCTGAATGTAAC  
 ATCCCTAATAACAACCTTCACTTCTAATACAGCAAAAATAAAAAATTAACAACCAAGGA  
 ATAGTATTTAAGAAAATGTTGAAATAATTTTTTAAAAATAGCATTACAGACTGAGGCGGT  
 CCTGAAGCAATGGTTTTTCACTCTTATTGAGCCAATTAATTTGACATTGCTTTGACAA  
 TTTAAAACCTTCTATAAAGGTGAATTTTTTTCATACATTTCTATTTTATATGAATATACTT  
 TTTATATATTTATTATTATAAATATTTCTACTTAATGAATCAAAAATTTGTTTTAAAGT  
 CTACTTTATGTAATAAGAACAGGTTTTGGGAAAAAATCTTATGATTTCTGGATTGAT  
 ATCTGAATTAAACTATCAACAACAAGGAAGTCTACTCTGTACAATTGCCCTCATTTAA  
 AAGATATATTAAGCTTTTCTTTCTGTTTGTGTTTTGTTTTAGTTTTAATCCTGTC  
 TTAGAAGAACTTATCTTTATTCTCAAAAATTAATGTAATTTTTTTAGTGACAAAGAAGAA  
 AGGAAACCTCATTACTCAATCCTCTGGCCAAGAGTGTCTTGCTTGTGGCGC

**Restriction Sites:** Please inquire

**ACCN:** NM\_052962

**Insert Size:** 1700 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).

**OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_052962.2.

**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:** [NM\\_052962.2](#), [NP\\_443194.1](#)

**RefSeq Size:** 2910 bp

**RefSeq ORF:** 792 bp

**Locus ID:** 116379

**UniProt ID:** [Q969J5](#)

**Cytogenetics:** 6q23.3

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

**Gene Summary:** This gene encodes a member of the class II cytokine receptor family. The encoded soluble protein specifically binds to and inhibits interleukin 22 activity by blocking the interaction of interleukin 22 with its cell surface receptor. The encoded protein may be important in the regulation of inflammatory response, and has been implicated in the regulation of tumorigenesis in the colon. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2013]  
Transcript Variant: This variant (1) encodes the longest isoform (1).