

## Product datasheet for **SC307271**

### IL22 RA2 (IL22RA2) (NM\_181310) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL22 RA2 (IL22RA2) (NM_181310) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL22 RA2
Synonyms:	CRF2-10; CRF2-S1; CRF2X; IL-22BP; IL-22R-alpha-2; IL-22RA2; ZCYTOR16
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181310, the custom clone sequence may differ by one or more nucleotides

```
ATGATGCCTAAACATTGCTTTCTAGGCTTCCTCATCAGTTTCTCCTTACTGGTGTAGCAGGAAGCTCAGT
CAACGCATGAGTCTCTGAAGCCTCAGAGGGTACAATTTTCAGTCCCAGAAATTTTCACAACATTTTGCAATG
GCAGCCTGGGAGGGCACTTACTGGCAACAGCAGTGTCTATTTTGTGCAGTACAAAATATATGGACAGAGA
CAATGGAAAAATAAAGAAGACTGTTGGGGTACTCAAGAACTCTCTTGTGACCTTACCAGTAAACCTCAG
ACATACAGGAACCTTATTACGGGAGGGTGAGGGCGGCCTCGGCTGGGAGCTACTCAGAATGGAGCATGAC
GCCGCGGTTCACTCCCTGGTGGGAAAGAGCAAAGGTTTATGA
```

Restriction Sites:	Please inquire
ACCN:	NM_181310
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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**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\\_181310.1](#), [NP\\_851827.1](#)

**RefSeq Size:** 2644 bp

**RefSeq ORF:** 393 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 (3) lacks two alternate exons in the coding region, which leads to a translation frameshift, compared to variant 1. The resulting isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1.