

## Product datasheet for **SC304781**

### IL22 (NM\_020525) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL22 (NM_020525) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL22
Synonyms:	IL-21; IL-22; IL-D110; IL-TIF; ILTIF; TIFa; TIFIL-23; zcyto18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_020525 edited ATGGCCGCCCTGCAGAAATCTGTGAGCTTTTCCTTATGGGGACCCTGGCCACCAGCTGC CTCCTTCTCTTGGCCCTTTGGTACAGGGAGGAGCAGCTGCGCCCATCAGCTCCCACTGC AGGCTTGACAAGTCCAACCTTCCAGCAGCCCTATATCACCAACCGCACCTTCATGCTGGCT AAGGAGGCTAGCTTGCTGATAACAACACAGACGTTTCGTCTCATTGGGGAGAACTGTTC CACGGAGTCAGTATGAGTGAGCGCTGCTATCTGATGAAGCAGGTGCTGAACTTCACCCTT GAAGAAGTGCTGTTCCCTCAATCTGATAGGTTCCAGCCTTATATGCAGGAGGTGGTGCC TTCCTGGCCAGGCTCAGCAACAGGCTAAGCACATGTCATATTGAAGGTGATGACCTGCAT ATCCAGAGGAATGTGAAAAGCTGAAGGACACAGTGAAAAGCTTGGAGAGAGTGGAGAG ATCAAAGCAATTGGAGAAGTGGATTTGCTGTTTATGTCTCTGAGAAATGCCTGCATTTGA
Restriction Sites:	Please inquire
ACCN:	NM_020525
Insert Size:	1200 bp



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<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>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.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_020525.4</a> , <a href="#">NP_065386.1</a>
<b>RefSeq Size:</b>	1147 bp
<b>RefSeq ORF:</b>	540 bp
<b>Locus ID:</b>	50616
<b>UniProt ID:</b>	<a href="#">Q9GZX6</a>
<b>Cytogenetics:</b>	12q15
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
<b>Gene Summary:</b>	<p>This gene is a member of the IL10 family of cytokines that mediate cellular inflammatory responses. The encoded protein functions in antimicrobial defense at mucosal surfaces and in tissue repair. This protein also has pro-inflammatory properties and plays a role in the pathogenesis of several intestinal diseases. [provided by RefSeq, Jul 2018]</p>