

Product datasheet for **SC329883**

IL21 (NM_001207006) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL21 (NM_001207006) Human Untagged Clone
Tag: Tag Free
Symbol: IL21
Synonyms: CVID11; IL-21; Za11
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329883 representing NM_001207006.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAGATCCAGTCCTGGCAACATGGAGAGGATTGTCATCTGTCTGATGGTCATCTTCTTGGGGACACTG
 GTCCACAAATCAAGCTCCCAAGGTCAAGATCGCCACATGATTAGAATGCGTCAACTTATAGATATTGTT
 GATCAGCTGAAAAATTATGTGAATGACTTGGTCCCTGAATTTCTGCCAGCTCCAGAAGATGTAGAGACA
 AACTGTGAGTGGTCAGCTTTTTCCTGCTTTCAGAAGGCCCACTAAAGTCAGCAAATACAGGAAACAAT
 GAAAGGATAATCAATGTATCAATTAAGGCTGAAGAGGAAACCACCTTCCACAAATGCAGGGAGAAGA
 CAGAAACACAGACTAACATGCCCTTCATGTGATTCTTATGAGAAAAAACCCCAAAGAATTCCTAGAA
 AGATTCAAATCACTTCTCCAAAAGGTATCTACCTAAGTTTCATTGA

Restriction Sites: SgfI-MluI
ACCN: NM_001207006
Insert Size: 462 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).


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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:	<u>NM_001207006.2</u>
RefSeq Size:	707 bp
RefSeq ORF:	462 bp
Locus ID:	59067
UniProt ID:	<u>Q9HBE4</u>
Cytogenetics:	4q27
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
MW:	17.6 kDa
Gene Summary:	<p>This gene encodes a member of the common-gamma chain family of cytokines with immunoregulatory activity. The encoded protein plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells. Dysregulation of this gene plays a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (2) retains an intron compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p>