

Product datasheet for **SC301922**

IL31 (NM_001014336) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL31 (NM_001014336) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL31
Synonyms:	IL-31
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001014336 edited ATGGCCTCTCACTCAGGCCCTCGACGTCTGTGCTCTTTCTGTTCTGCTGCCTGGGAGGC TGGCTGGCCTCCACACGTTGCCCGTCCGTTTACTACGACCAAGTGATGATGTACAGAAA ATAGTCGAGGAATTACAGTCCCTCTCGAAGATGCTTTTGAAGATGTGGAGGAAGAGAAG GGCGTGCTCGTGTCCCAGAATTACACGCTGCCGTGTCTCAGCCCTGACGCCCAGCCGCCA AACAACTCCACAGCCCAGCCATCCGGGCATATCTCAAGACAATCAGACAGCTAGACAAC AAATCTGTTATTGATGAGATCATAGAGCACCTCGACAACTCATATTTCAAGATGCACCA GAAACAAACATTTCTGTGCCAACAGACACCCATGAATGTAAACGTTTCATCCTGACTATT TCTCAACAGTTTTAGAGTGCATGGACCTCGCACTAAAATCATTGACCTTGGAGCCCAA CAGGCCACCACTTAA
Restriction Sites:	Please inquire
ACCN:	NM_001014336
Insert Size:	500 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 open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_001014336.1](#), [NP_001014358.1](#)

RefSeq Size: 904 bp

RefSeq ORF: 495 bp

Locus ID: 386653

UniProt ID: [Q6EBC2](#)

Cytogenetics: 12q24.31

Protein Families: Secreted Protein, Transmembrane

Gene Summary: IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively expressed on epithelial cells and keratinocytes. IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma (Dillon et al., 2004 [PubMed 15184896]).[supplied by OMIM, Mar 2008]