

## Product datasheet for **RC223858**

### IL31 (NM\_001014336) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IL31 (NM\_001014336) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** IL31  
**Synonyms:** IL-31  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC223858 representing NM\_001014336  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCTCACTCAGGCCCTCGAGCTGTGTCTTTCTGTTCTGCTGCCTGGGAGGCTGGCTGGCCT  
CCCACACGTTGCCGTCGGTTTACTACGACCAAGTATGATGTACAGAAAATAGTCGAGGAATTACAGCTC  
CCTCTCGAAGATGCTTTGAAAGATGTGGAGGAAGAGAAGGGCGTCTGTCGTCCAGAATTACAGCTG  
CCGTGTCTCAGCCCTGACGCCAGCCGCAAAACAATCCACAGCCAGCCATCCGGGCATATCTCAAGA  
CAATCAGACAGCTAGACAACAACTGTATTGATGAGATCATAGAGCACCTCGACAACTCATATTTCA  
AGATGCACCAGAAACAACTTTCTGTGCAACAGACACCCATGAATGTAACGCTTCATCTGACTATT  
TCTCAACAGTTTTTCAGAGTGCATGGACCTCGCACTAAAATCATTGACCTCTGGAGCCCAACAGGCCACCA  
CT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC223858 representing NM\_001014336  
Red=Cloning site Green=Tags(s)

MASHSGPSTSVLFLFCCLGGWLASHTLPVRLLRPSDDVQKIVEELQSLSKMLLKDVVEEKGVLVSQNYTL  
PCLSPDAQPPNNIHSPAIRAYLKTIRQLDNKSVIDEIEIHLDKLIFQDAPETNISVPTDTHECKRFILTI  
SQQFSECMDLALKSLTSGAQQATT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6266\\_f01.zip](https://cdn.origene.com/chromatograms/mk6266_f01.zip)



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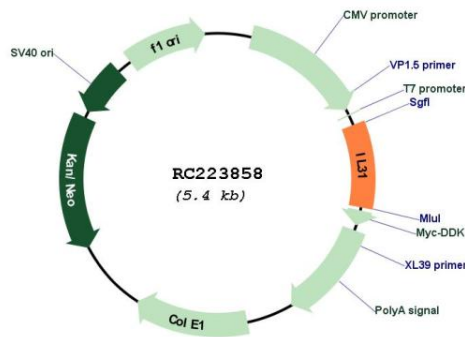
**Cytogenetics:** 12q24.31

**Protein Families:** Secreted Protein, Transmembrane

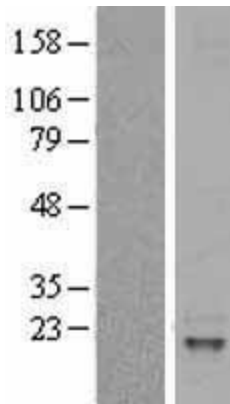
**MW:** 18 kDa

**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]

**Product images:**



Circular map for RC223858



Western blot validation of overexpression lysate (Cat# [LY423052]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223858 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).