

## Product datasheet for **RC212571**

### IL19 (NM\_013371) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IL19 (NM\_013371) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** IL19  
**Synonyms:** IL-10C; MDA1; NG.1; ZMDA1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC212571 representing NM\_013371  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGTTACAGTGTGTTCCCTTTGGCTCCTGGGTACAATACTGATATTGTGCTCAGTAGACAACCAG  
GTCTCAGGAGATGTCTGATTTCCACAGACATGCACCATATAGAAGAGAGTTTCCAAGAAATCAAAGAGC  
CATCCAAGCTAAGGACACCTTCCAAATGTCATCTCCTGTCCACATTGGAGACTCTGCAGATCATTAAAG  
CCCTTAGATGTGTGCTGCGTGACCAAGAACCTCCTGGCGTTCTACGTGGACAGGGTGTCAAGGATCATC  
AGGAGCCAAACCCAAAATCTTGAGAAAATCAGCAGCATTGCCAACTTTTCTCTACATGCAGAAAAC  
TCTGCGCAATGTCAGGAACAGAGGCAGTGTCACTGCAGGCAGGAAGCCACCAATGCCACAGAGTCATC  
CATGACAACTATGATCAGCTGGAGGTCCACGCTGCTGCCATTAATCCCTGGGAGAGCTCGACGCTTTTC  
TAGCCTGGATTAATAAGAATCATGAAGTAAATGTTCTCAGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC212571 representing NM\_013371  
Red=Cloning site Green=Tags(s)

MKLQCVSLWLLGTILILCSVDNHGLRRLISTDMHHIEESFQEIKRAIQAKDTFPNVITLSTLETLQIIK  
PLDVCCVTKNLLAFYVDRVFKDHQEPNPKILRKISSIANSFLYMQKTLRQCQEQRQCHCRQEATNATRVI  
HDNYDQLEVHAAAIAKSLGELDVFLAWINKNHEVMFSA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6233\\_d06.zip](https://cdn.origene.com/chromatograms/mk6233_d06.zip)





**Cytogenetics:** 1q32.1

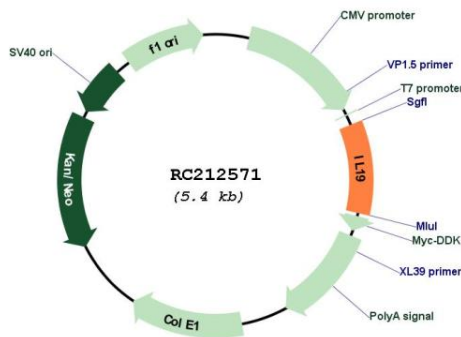
**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

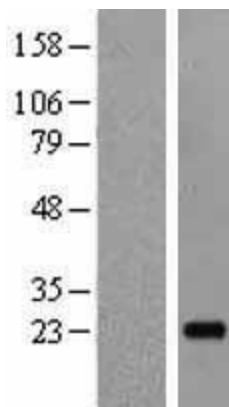
**MW:** 20.45 kDa

**Gene Summary:** The protein encoded by this gene is a cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively spliced transcript variants encoding the distinct isoforms have been described. [provided by RefSeq, Jul 2008]

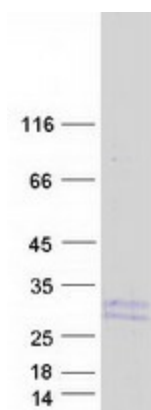
**Product images:**



Circular map for RC212571



Western blot validation of overexpression lysate (Cat# [LY415631]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212571 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified IL19 protein (Cat# [TP312571]). The protein was produced from HEK293T cells transfected with IL19 cDNA clone (Cat# RC212571) using MegaTran 2.0 (Cat# [TT210002]).