

## Product datasheet for RC212217

### IL16 (NM\_172217) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IL16 (NM\_172217) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** IL16  
**Synonyms:** LCF; NIL16; prIL-16; PRIL16  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC212217 representing NM\_172217  
 Red=Cloning site Blue=ORF Green=Tags(s)

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GAACGAGAGAAGAACTCAGCACCCCGCATCGCAGGGCTCAGAAGGTCATGATCCGCTCCAGCAGTGACA  
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**Protein Sequence:** >RC212217 representing NM\_172217  
Red=Cloning site Green=Tags(s)

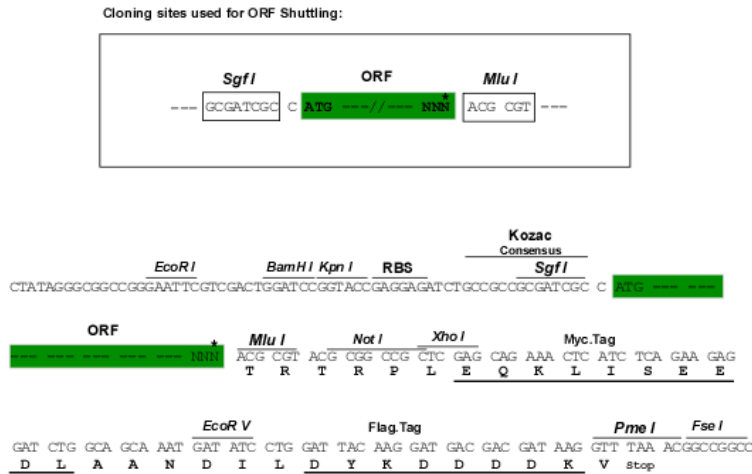
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 AVIVTRKLTPEAMPDLNSSTDSASASAASDVSVESTAEATVCTVLEKMSAGLGFSLGEGKSLHGDKP  
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 DS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg4432\\_c08.zip](https://cdn.origene.com/chromatograms/mg4432_c08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



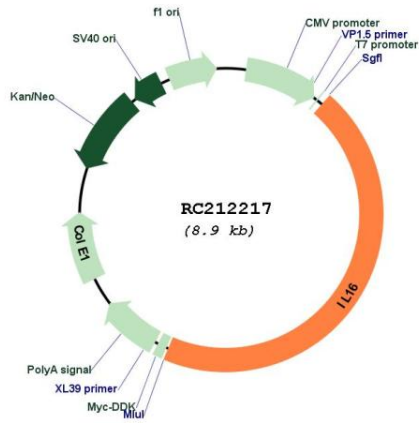
\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_172217

**ORF Size:** 3996 bp

<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<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_172217.4</a>
<b>RefSeq Size:</b>	8338 bp
<b>RefSeq ORF:</b>	3999 bp
<b>Locus ID:</b>	3603
<b>UniProt ID:</b>	<a href="#">Q14005</a>
<b>Cytogenetics:</b>	15q25.1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>MW:</b>	141.6 kDa
<b>Gene Summary:</b>	The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]

Product images:



Circular map for RC212217