

## Product datasheet for **RG202282**

### IL15 (NM\_000585) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IL15 (NM\_000585) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** IL15  
**Synonyms:** IL-15  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG202282 representing NM\_000585  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGAATTTGAAACACATTTGAGAAGTATTTCCATCCAGTGTACTTGTGTTTACTTCTAAACAGTC  
ATTTTCTAACTGAAGCTGGCATTATGCTTTTGGGCTGTTTCAGTGCAGGGCTTCTAAAACAGA  
AGCCAACGGGTGAATGTAATAAGTGATTTGAAAAAATGAAGATCTTATTCAATCTATGCATATTGAT  
GCTACTTTATATACGAAAGTGATGTTCCACCCAGTTGCAAAGTAACAGCAATGAAGTGCTTTCTCTTGG  
AGTTACAAGTTATTTCACTTGAGTCCGGAGATGCAAGTATTCATGATACAGTAGAAAATCTGATCATCCT  
AGCAAACAACAGTTTGTCTTCTAATGGGAATGTAACAGAATCTGGATGCAAAGAATGTGAGGAACTGGAG  
GAAAAAATATTAAGAATTTTTGCAGAGTTTTGTACATATTGTCCAAATGTTTCATCAACTTCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG202282 representing NM\_000585  
Red=Cloning site Green=Tags(s)

MRISKPHLRISISIQCYLCLLLNSHFLTEAGIHVFI LGCF SAGLPKTEANWVNVISDLKKIEDLIQSMHID  
ATLYTESDVHPSCKVTAMKCFLLLELQVISLESGDASIHDTVENLIILANNSLSSNGNVTESGCKECEEE  
EKNIKEFLQSFVHIVQMFINTS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI

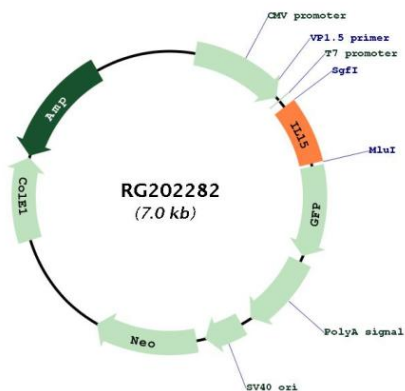


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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room 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_000585.5</a>
<b>RefSeq Size:</b>	1496 bp
<b>RefSeq ORF:</b>	489 bp
<b>Locus ID:</b>	3600
<b>UniProt ID:</b>	<a href="#">P40933</a>
<b>Cytogenetics:</b>	4q31.21
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukine 2 share many biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between this cytokine and IL2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. Studies of the mouse counterpart suggested that this cytokine may increase the expression of apoptosis inhibitor BCL2L1/BCL-x(L), possibly through the transcription activation activity of STAT6, and thus prevent apoptosis. Alternatively spliced transcript variants of this gene have been reported. [provided by RefSeq, Feb 2011]</p>

Product images:



Circular map for RG202282