

Product datasheet for **RG210109**

IL3 (NM_000588) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL3 (NM_000588) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: IL3
Synonyms: IL-3; MCGF; MULTI-CSF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210109 representing NM_000588
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCCGCTGCCCGTCTGCTCCTGCTCCAACCTCTGGTCCGCCCGGACTCCAAGCTCCCATGACCC
 AGACAACGCCCTGAAGACAAGCTGGGTTAACTGCTCTAACATGATCGATGAAATTATAACACACTTAAA
 GCAGCCACCTTTGCCTTTGCTGGACTTCAACAACCTCAATGGGGAAGACCAAGACATTCTGATGGAAAAT
 AACCTTGAAGGCCAAACCTGGAGGCATTCAACAGGGCTGTCAAGAGTTTACAGAACGCATCAGCAATTG
 AGAGATTCTTAAAAATCTCCTGCCATGTCTGCCCTGGCCACGGCCGCCACCCACGCGACATCCAATCCA
 TATCAAGGACGGTGACTGGAATGAATTCGGGAGGAACTGACGTTCTATCTGAAAACCTTGAGAATGCG
 CAGGCTCAACAGACGACTTTGAGCTCGCGATCTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210109 representing NM_000588
 Red=Cloning site Green=Tags(s)

MSRLPVLLLLQLLVRPGLQAPMTQTTPPKTSWVNCSNMIDEIITHLKQPPLPLDFNNLNGEDQDILMEN
 NLRPNLEAFNRAVKSQNASAIESILKNLLPCLPLATAAPTRHPHIIKIDGDWNEFRRLTFYLKLENA
 QAQQTTLSLAIF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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_000588.4](#)

RefSeq Size: 924 bp

RefSeq ORF: 459 bp

Locus ID: 3562

UniProt ID: [P08700](#)

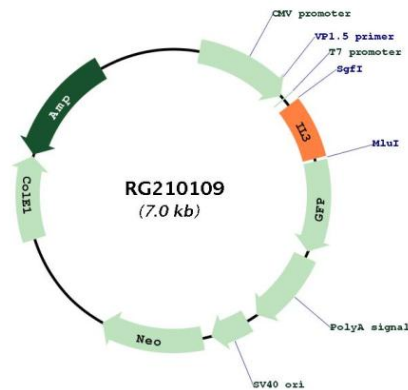
Cytogenetics: 5q31.1

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Apoptosis, Asthma, Cytokine-cytokine receptor interaction, Fc epsilon RI signaling pathway, Hematopoietic cell lineage, Jak-STAT signaling pathway

Gene Summary: The protein encoded by this gene is a potent growth promoting cytokine. This cytokine is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. This cytokine has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG210109