

Product datasheet for **RG214713**

IFNA16 (NM_002173) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IFNA16 (NM_002173) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: IFNA16
Synonyms: IFN-alpha-16; IFN-alphaO
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG214713 representing NM_002173
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCTGTCCTTTTCTTTACTGATGGCCGTGCTGGTGCTCAGCTACAAATCCATCTGTTCTCTGGGCT
 GTGATCTGCCTCAGACTCACAGCCTGGTAATAGGAGGGCCTTGATACTCCTGGCACAAATGGGAAGAAT
 CTCTCATTTCTCCTGCCTGAAGGACAGATATGATTTCCGATTCCCCAGGAGGTGTTTGATGGCAACCAG
 TTCCAGAAGGCTCAAGCCATCTCTGCCTCCATGAGATGATCCAGCAGACCTTCAATCTCTTCAGCACAA
 AGGATTCTCTGCTGCTGGGATGAGACCCTCCTAGACAAATTCTACATTGAACTTTCCAGCAACTGAA
 TGACCTAGAAGCCTGTGTGACACAGGAGTTGGGGTGGAAAGAGATTGCCCTGATGAATGAGGACTCCATC
 CTGGCTGTGAGGAAATACTTTCAAAGAATCACTCTTTATCTGATGGGGAAGAAATACAGCCCTTGTGCCT
 GGGAGGTTGTCAGAGCAGAAATCATGAGATCCTTCTCTTTTTCAACAACTTGCAAAAAGGATTAAGAAG
 GAAGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214713 representing NM_002173
 Red=Cloning site Green=Tags(s)

MALSFLLMAVLVLSYKSIICSLGCDLPQTHSLGNRRALILLAQMGRISHFSLKDRYDFGFPQEVFDGNQ
 FQKAQAISAFHEMIQQTFNLFSTKDSAAWDETLDDKIFYIELFQQLNDLEACVTQEVGVVEEIALMNEDSI
 LAVRKYFQRITLYLMGKKYSPCAWEVVRAEIMRSFSFSTNLQKGLRRKD

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-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_002173.3](#), [NP_002164.1](#)

RefSeq Size: 941 bp

RefSeq ORF: 570 bp

Locus ID: 3449

UniProt ID: [P05015](#)

Cytogenetics: 9p21.3

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Antigen processing and presentation, Autoimmune thyroid disease, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity, Regulation of autophagy, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway

Gene Summary: Produced by macrophages, IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase.
[UniProtKB/Swiss-Prot Function]