

Product datasheet for **RG229117**

Interferon alpha (IFNA13) (NM_006900) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Interferon alpha (IFNA13) (NM_006900) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: IFNA13
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229117 representing NM_006900
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGATGGCCTCGCCCTTTGCTTTACTGATGGCCCTGGTGGTGCTCAGCTGCAAGTCAAGCTGCTCTCTGG
GCTGTGATCTCCCTGAGACCCACAGCCTGGATAACAGGAGGACCTTGATGCTCCTGGCACAAATGAGCAG
AATCTCTCCTTCTCCTGTCTGATGGACAGACATGACTTTGGATTTCCCGAGGAGGATTTGATGGCAAC
CAGTTCAGAAGGCTCCAGCCATCTCTGTCTCCATGAGCTGATCCAGCAGATCTCAACCTCTTTACCA
CAAAAGATTCACTGCTGCTGGGATGAGGACCTCTAGACAAATTCTGCACCGAACTACCAGCAGCT
GAATGACTTGGAAAGCCTGTGTGATGCAGGAGGAGGGTGGGAGAACTCCCTGATGAATGCGGACTCC
ATCTTGGCTGTGAAGAAATACTTCCGAAGAATCACTCTCTATCTGACAGAGAAGAAATACAGCCCTTGTG
CCTGGGAGGTTGTGAGAGCAGAAATCATGAGATCCCTCTTTATCAACAACTTGAAGAAAGATTAAG
GAGGAAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229117 representing NM_006900
Red=Cloning site Green=Tags(s)

MMASPFALLMALVVL SCKSSCSL GCDLPETHSLDNRRRLMLLAQMSRISPSSCLMDRHFDFGFPQEEFDGN
QFQKAPAVISVLHELIQQIFNLF TTKDSSAAWDEDLLDKFCTELYQQLNDLEACVMQEERVGETPLMNADS
ILAVKKYFRITLYL TEKKYSPCAWEVVRAEIMRSLSLSTNLQERLRRKE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. More info</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none"> 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_006900.4
RefSeq Size:	705 bp
RefSeq ORF:	573 bp
Locus ID:	3447
UniProt ID:	P01562
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]