

Product datasheet for **RG222484**

IFNW1 (NM_002177) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: IFNW1 (NM_002177) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: IFNW1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG222484 representing NM_002177
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCTCTGTTCCTCTACTGGCAGCCCTAGTGATGACCAGCTATAGCCCTGTTGGATCTCTGGGCT
 GTGATCTGCCTCAGAACCATGGCCTACTTAGCAGGAACACCTTGGTGCTTCTGCACCAAATGAGGAGAAT
 CTCCCCTTTCTGTGTCTCAAGGACAGAAGAGACTTCAGGTTCCCCCAGGAGATGGTAAAAGGGAGCCAG
 TTGCAGAAGGCCCATGTCATGTCTGTCTCCATGAGATGCTGCAGCAGATCTTCAGCCTCTTCCACACAG
 AGCGCTCCTCTGCTGCCTGGAACATGACCCTCTAGACCAACTCCACACTGGACTTCATCAGCAACTGCA
 ACACCTGGAGACCTGCTTGTCTGCAGGTAGTGGGAGAAGGAGAATCTGCTGGGGCAATTAGCAGCCCTGCA
 CTGACCTTGAGGAGTACTTCCAGGGAATCCGTGTCTACCTGAAAGAGAAGAAATACAGCGACTGTGCCT
 GGGAAAGTTGTCAGAATGGAAATCATGAAATCCTTGTTCTTATCAACAAACATGCAAGAAAGACTGAGAAG
 TAAAGATAGAGACCTGGGCTCATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222484 representing NM_002177
 Red=Cloning site Green=Tags(s)

MALLFPLLAALVMTSYSVPGSLGCDLPQNHGLLSRNTLVLLHQMRRI SPFLCLKDRRDFRFPQEMVKGSO
 LQKAHVMSVLHEMLQQIFSLFHTERSAAWNMTLLDQLHTGLHQQQLHLETCLLQVVGEGESAGAISSPA
 LTLRRYFQGIRVYLKEKKYSDCAWEVVRMEIMKSLFLSTNMQERLRSKDRDLGSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_002177

ORF Size: 585 bp

OTI Disclaimer: 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](#)

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:

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_002177.2](#)

RefSeq Size: 1514 bp

RefSeq ORF: 588 bp

Locus ID: 3467

UniProt ID: [P05000](#)

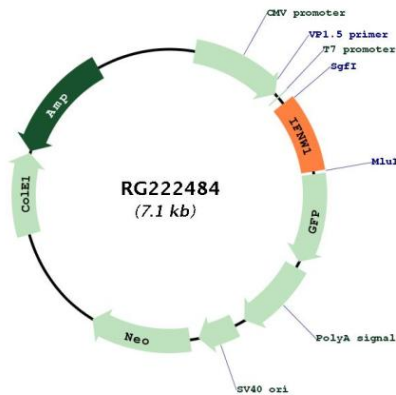
Cytogenetics: 9p21.3

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, RIG-I-like receptor signaling pathway

Gene Summary: The protein encoded by this gene is an interferon and possesses antiviral activity. The encoded protein binds to the interferon alpha/beta receptor but not to the interferon gamma receptor. This intronless gene has several pseudogenes spread throughout the genome. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RG222484