

Product datasheet for **MG227155**

Ifng (NM_008337) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ifng (NM_008337) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ifng
Synonyms: If; If2f; Ifg; IFN-g
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG227155 representing NM_008337
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGCTACACACTGCATCTTGGCTTTCAGCTCTTCCTCATGGCTGTTTCTGGCTGTTACTGCCACG
GCACAGTCATTGAAAGCCTAGAAAGTCTGAATAACTATTTAACTCAAGTGGCATAGATGTGAAGAAAA
GAGTCTCTTCTGGATATCTGGAGGAAGTGGCAAAAGGATGGTGACATGAAAATCCTGCAGAGCCAGATT
ATCTCTTCTACCTCAGACTCTTGAAGTCTTGAAGACAATCAGGCCATCAGCAACAACATAAGCGTCA
TTGAATCACACCTGATTACTACCTTCTCAGCAACAGCAAGGCGAAAAAGGATGCATTTCATGAGTATTGC
CAAGTTTGAGGTCAACAACCCACAGGTCCAGCGCAAGCATTCAATGAGCTCATCCGAGTGGTCCACCAG
CTGTTGCCGGAATCCAGCCTCAGGAAGCGAAAAAGGAGTCGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG227155 representing NM_008337
 Red=Cloning site Green=Tags(s)

MNATHCILALQLFLMAVSGCYCHGTVIESLESLNYYFNSSGIDVEEKSLFLDIWRNWQKDGDMKILQSQI
ISFYLRLEVLKDNQAIISNNISVIESHLITTFFSNSKAKKDAFMSIAKFEVNNPQVQRQAFNELIRVVHQ
LLPESSLRKRKRSRC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_008337

ORF Size: 465 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_008337.4](#)

RefSeq Size: 1207 bp

RefSeq ORF: 468 bp

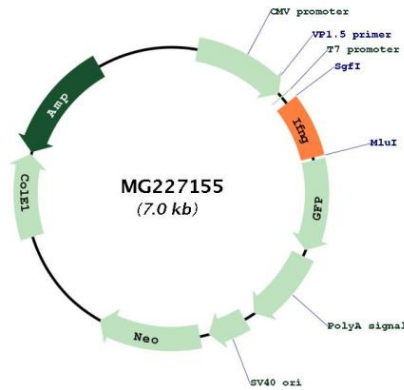
Locus ID: 15978

UniProt ID: [P01580](#)

Cytogenetics: 10 66.75 cM

Gene Summary: This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mice deficient in this gene have increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases. [provided by RefSeq, Dec 2015]

Product images:



Circular map for MG227155