

Product datasheet for MR227155

Ifng (NM_008337) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ifng (NM_008337) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ifng
Synonyms: If; If2f; Ifg; IFN-g
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227155 representing NM_008337
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGCTACACTGCATCTTGGCTTGCAGCTCTTCCTCATGGCTGTTTCTGGCTGTTACTGCCACG
GCACAGTCATTGAAAGCCTAGAAAGTCTGAATAACTATTTAACTCAAGTGGCATAGATGTGAAGAAAA
GAGTCTCTTCTGGATATCTGGAGGAAGTGGCAAAAGGATGGTGACATGAAAATCCTGCAGAGCCAGATT
ATCTCTTCTACCTCAGACTCTTGAAGTCTTGAAGACAATCAGGCCATCAGCAACAACATAAGCGTCA
TTGAATCACACCTGATTACTACCTTCTCAGCAACAGCAAGGCGAAAAAGGATGCATTTCATGAGTATTGC
CAAGTTTGAGGTCAACAACCCACAGGTCCAGCGCAAGCATTCAATGAGCTCATCCGAGTGGTCCACCAG
CTGTTGCCGGAATCCAGCCTCAGGAAGCGAAAAAGGAGTCGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

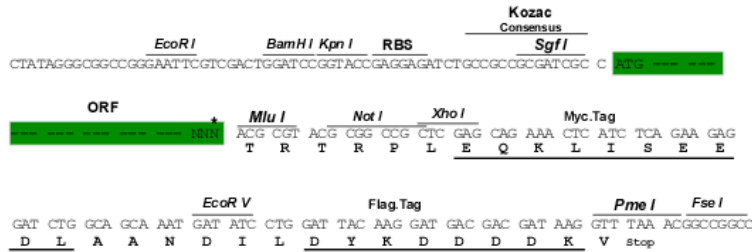
Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Cloning sites used for ORF Shuttling:



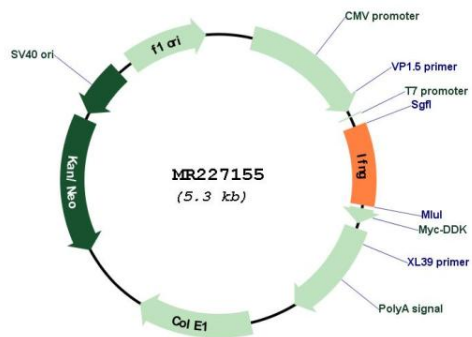
* The last codon before the Stop codon of the ORF

- 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
MW: 18.4 kDa

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 MR227155