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Product datasheet for RR205068

Ifng (NM_138880) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ifng (NM_138880) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ifng
Synonyms:	IFNG2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205068 representing NM_138880 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGTGCTACACGCCGCGTCTTGGTTTTGCAGCTCTGCCTCATGGCCCTCTCTGGCTGTTACTGCCAAG GCACACTCATTGAAAGCCTAGAAAGTCTGAAGAACTATTTTAACTCAAGTAGCATGGATGCTATGGAAGG AAAGAGCCTCCTCTTGGATATCTGGAGGAACTGGCAAAAGGACGGTAACACGAAAATACTTGAGAGCCAG ATTATCTCTTTCTACCTCAGACTCTTTGAAGTCTTGAAAGACAACCAGGCCATCAGCAACAACATAAGTG TCATCGAATCGCACCTGATCACTAACTTCTTCAGCAACAGTAAAGCAAAAAAGGATGCATTCATGAGCAT CGCCAAGTTCGAGGTGAACAACCCACAGATCCAGCACAAAGCTGTCAATGAACTCATCAGAGTGATTCAC CAGCTGTCACCAGAATCTAGCCTAAGGAAGCGGAAAAGGAGTCGGTGC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RR205068 representing NM_138880 Red=Cloning site Green=Tags(s) MSATRRVLVLQLCLMALSGCYCQGTLIESLESLKNYFNSSSMDAMEGKSLLLDIWRNWQKDGNTKILESQ IISFYLRLFEVLKDNQAISNNISVIESHLITNFFSNSKAKKDAFMSIAKFEVNNPQIQHKAVNELIRVIH QLSPESSLRKRKRSRC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

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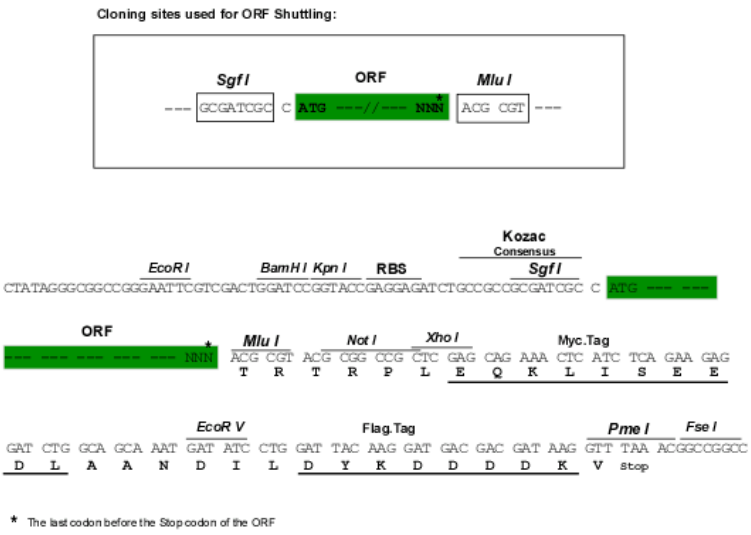
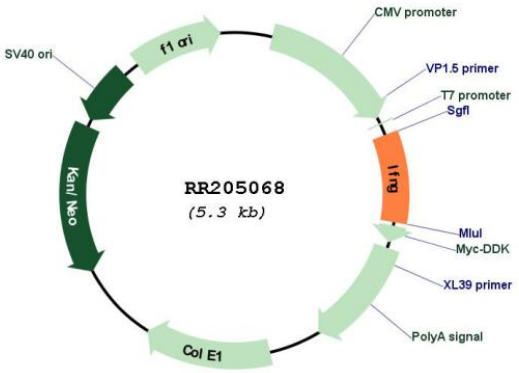
Cloning Scheme:



Plasmid Map:



ACCN: NM_138880

ORF Size: 468 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.

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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_138880.2, NP_620235.1
RefSeq Size:	525 bp
RefSeq ORF:	471 bp
Locus ID:	25712
UniProt ID:	P01581
Cytogenetics:	7q22
MW:	17.9 kDa
Gene Summary:	an immune molecule produced by T lymphocytes in response to mitogens or antigens [RGD, Feb 2006]

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