

Product datasheet for **MG220725**

Ifna13 (NM_177347) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ifna13 (NM_177347) Mouse 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: >MG220725 representing NM_177347
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTAGGCCTTGTGCTTTCCTGATGGTTTTGGTGGTGTGAGCTACTGGTCAGCCTGCTCTTAGGAT
 GTGACCTGCCTCAGACTCATAACCTCAGGAACAAGAGAGCCTTGACTCTCCTGGAACAAATGAGGAGACT
 CTCCCCCTTTTCTGTCTGAAGGACAGAAAGGACTTTGGATTCCCACAGGAGAAGGTGGATGCCAGCAG
 ATCAAGAAGGCTCAAGCCATCCCTTTTGTTCATGAGCTGACCCAGCAGATCCTGACCCTTTCACATCAA
 ATGACTCATCTGCTGCATGGAATGCAACCCTCTAGACTCATTGCAATGACCTCCATCAGCAGCTCAA
 TGACCTCAAAGCTTGTCTGATGCAGCAGGTTGGGGTGCAGGAATTTCCCCTGACCCAGGAAGACTCCCTG
 CTGGCTGTGAGGAAATACTTCCACAGCATCACTGTGTACCTGAGAGAGAAGAAACACAGCCCTGTGCCT
 GGGAGGTGGTCAGAGCAGAAGTCCAGAGAACCTGTCTTCTCAGCCAATTGCTGGCAAGACTGAGCAA
 GGAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220725 representing NM_177347
 Red=Cloning site Green=Tags(s)

MARPCAFMLVLLVLSYWSACSLGCDLPQTHNLRNKRALTLLEQMRRLSPLSCLKDRKDFGFPQEKVDAQQ
 IKKAQAIPFVHELTTQIILTLFTSNDSSAAWNATLLDSFCNDLHQQLNDLKAQLMQQVGVQEFPLTQEDSL
 LAVRKYFHSITVYLREKKHSPCAWEVVRAEVQRTLSSSANLLARLSKEE

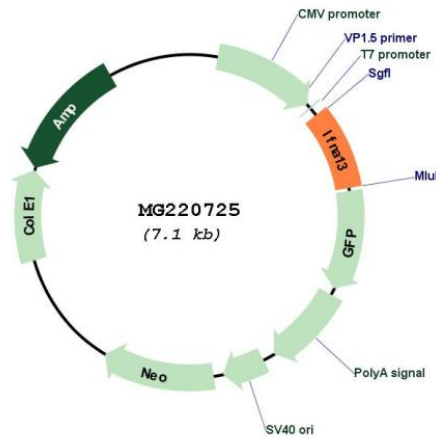
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_177347

ORF Size: 567 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: | <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: | <u>NM_177347.2</u> , <u>NP_796321.1</u> |
| RefSeq Size: | 819 bp |
| RefSeq ORF: | 570 bp |
| Locus ID: | 230396 |
| UniProt ID: | <u>Q80SU4</u> |
| Cytogenetics: | 4 42.02 cM |
| Gene Summary: | Exhibits antiviral activity against Theiler's virus, Mengo virus and vesicular stomatitis virus. Interferons alpha stimulate the production of two enzymes: a protein kinase and an oligoadenylate synthetase.[UniProtKB/Swiss-Prot Function] |