

## Product datasheet for **MG225728**

### Ifnar2 (NM\_001110498) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ifnar2 (NM\_001110498) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ifnar2  
**Synonyms:** A1747302; Ifnar-2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG225728 representing NM\_001110498  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATCGGTTACGGTGCACCGTCTCTGCCGTCGGTCTCCTCAGCTTGTGTCTTGTGGTGTCTGCGAGCCTAG  
AGACTATCACACCGTCTGCTTTTATGATGGGTATCCAGATGAACCTTGCACTATAACATAACAATACGAAA  
TTCCCGGCTAATTTTATCCTGGGAATTAGAGAACAAGTCTGGCCACCCGCTAACTACACCTCTGGTAC  
ACAGTCATGAGCAAAGACGAAAACTGACGAAGGTTAAGAAGTTCAGATACCACGAAGTCATCATGTG  
ACGTGACAGATAAGTGGTTGGAGGGCATGGAGAGCTACGTCGTCGCCATCGTCATAGTGCACAGAGGGGA  
CTTGACCGTGTGCCGCTGCTCAGACTACATCGTGCCTGCAAACGCTCCTCTTGAGCCGCCAGAATTTGAG  
ATCGTTGGCTTTACAGACCACATAAACGTGACGATGGAATTTCCACCTGTCACTTCCAAAATAATCCAGG  
AAAAGATGAAGACTACACCTTTTGTATCAAAGAACAGATAGGGGACAGCGTTAGGAAGAAGCACGAGCC  
CAAAGTGAATAATGCACTGGGAAGTTCACATTTGTCCTTAGAGACTTACTTCCAAAGACAACTACTGT  
GTATCTCTTTATTTTATGATGATGACCCCGCAATAAAATCTCCCTTAAATGCATCGTCCTTCAGCCTGGCC  
AGGAATCAGGTATGGCTAGGTTTTTAAATTTGCACTATTGTTT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG225728 representing NM\_001110498  
 Red=Cloning site Green=Tags(s)

MRSRCTVSAVGLLSLCLVVSASLETITPSAFDGYDPEPTINITIRNSRLILSWELNKS GPPANYTLWY  
 TVMSKDENLTKVKNCSDTTKSSCDVTDKWL EGMESYVVAIVIVHRGDLTVCRCS DYIVPANAPLEPPEFE  
 IVGFTD HINVTMEFPPVTSKIIQEKMKTPPFVIKEQIGDSVRKKHEPKVNNVTGNFTFVL RDLLPKTNYC  
 VSLYFDDDP AIKSPLKCI VLQPQESGMARFLK FALLF

TRTRPLE - GFP Tag - V

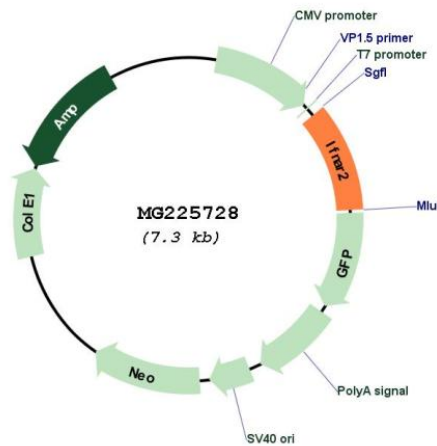
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001110498

**ORF Size:** 744 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001110498.1</a> , <a href="#">NP_001103968.1</a>
<b>RefSeq Size:</b>	1169 bp
<b>RefSeq ORF:</b>	747 bp
<b>Locus ID:</b>	15976
<b>UniProt ID:</b>	<a href="#">O35664</a>
<b>Cytogenetics:</b>	16 52.82 cM
<b>Gene Summary:</b>	Associates with IFNAR1 to form the type I interferon receptor. Receptor for interferons alpha and beta. Involved in IFN-mediated STAT1, STAT2 and STAT3 activation. Isoform 1 and isoform 2 are directly involved in signal transduction due to their association with the TYR kinase, JAK1. Isoform 2 and isoform 3 may be potent inhibitors of type I IFN receptor activity. [UniProtKB/Swiss-Prot Function]