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Product datasheet for MR225728

Ifnar2 (NM_001110498) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ifnar2 (NM_001110498) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ifnar2
Synonyms:	AI747302; Ifnar-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR225728 representing NM_001110498 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCGTTCACGGTGCACCGTCTCTGCCGTCGGTCTCCTCAGCTTGTGTCTTGTGGTGTCTGCGAGCCTAG AGACTATCACACCGTCTGCTTTTGATGGGTATCCAGATGAACCTTGCACTATAAACATAACAATACGAAA TTCCCGGCTAATTTTATCCTGGGAATTAGAGAACAAGTCTGGCCCACCCGCTAACTACACCCTCTGGTAC ACAGTCATGAGCAAAGACGAAAATCTGACGAAGGTTAAGAACTGTTCAGATACCACGAAGTCATCATGTG ACGTGACAGATAAGTGGTTGGAGGGCATGGAGAGCTACGTCGTCGCCATCGTCATAGTGCACAGAGGGGA CTTGACCGTGTGCCGCTGCTCAGACTACATCGTGCCTGCAAACGCTCCTCTTGAGCCGCCAGAATTTGAG ATCGTTGGCTTTACAGACCACATAAACGTGACGATGGAATTTCCACCTGTCACTTCCAAAATAATCCAGG AAAAGATGAAGACTACACCCTTTGTCATCAAAGAACAGATAGGGGACAGCGTTAGGAAGAAGCACGAGCC CAAAGTGAATAATGTCACTGGGAACTTCACATTTGTCCTTAGAGACTTACTTCCAAAGACAAACTACTGT GTATCTCTTTATTTTGATGATGACCCCGCAATAAAATCTCCCTTAAAATGCATCGTCCTTCAGCCTGGCC AGGAATCAGGTATGGCTAGGTTTTTAAAATTTGCACTATTGTTT ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

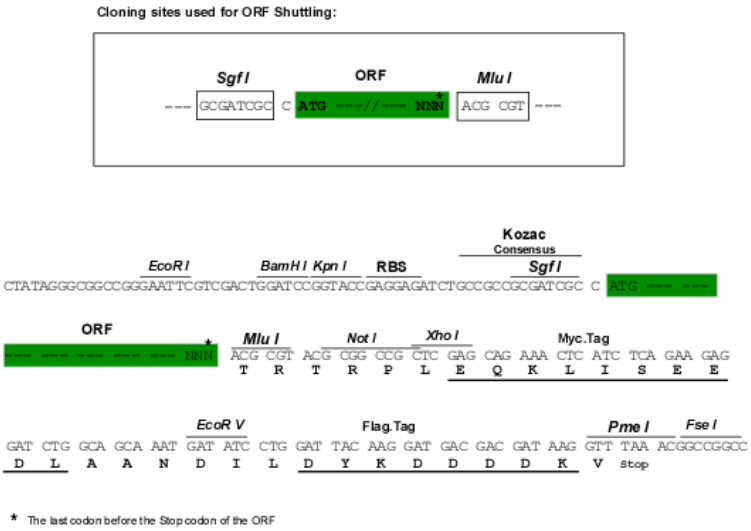
>MR225728 representing NM_001110498
Red=Cloning site Green=Tags(s)

MRSRCTVSAVGLLSLCLVVSASLETITPSAFDGYPDEPCTINITIRNSRLILSWELENKSGPPANYTLWY
TVMSKDENLTKVKNCSDTTKSSCDVTDKWLEGMESYVVAIVIVHRGDLTVCRCSDYIVPANAPLEPPEFE
IVGFTDHINVTMEFPPVTSKIIQEKMKTTPFVIKEQIGDSVRKKHEPKVNNVTGNFTFVLRDLLPKTNYC
VSLYFDDDPAIKSPLKCIVLQPGQESGMARFLKFALLF

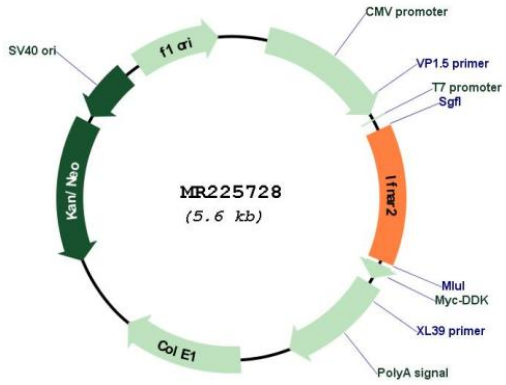
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001110498

ORF Size: 744 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_001110498.1, NP_001103968.1
RefSeq Size:	1169 bp
RefSeq ORF:	747 bp
Locus ID:	15976
UniProt ID:	O35664
Cytogenetics:	16 52.82 cM
MW:	28.2 kDa
Gene Summary:	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]