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Product datasheet for MR209200L4V

Ifnar1 (NM_010508) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ifnar1 (NM_010508) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ifnar1
Synonyms:	CD118; Ifar; Ifnar; Ifrc; Infar
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010508
ORF Size:	1770 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR209200).`
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.
RefSeq:	NM_010508.1, NP_034638.1
RefSeq Size:	3894 bp
RefSeq ORF:	1773 bp
Locus ID:	15975
UniProt ID:	P33896
Cytogenetics:	16 52.98 cM

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Gene Summary: Component of the receptor for type I interferons, including interferons alpha, IFNB1 and IFNW1 (PubMed:1533935, PubMed:14532120, PubMed:23872679). Functions in general as heterodimer with IFNAR2 (By similarity). Type I interferon binding activates the JAK-STAT signaling cascade, and triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and the IFNR alpha- and beta-subunits themselves (PubMed:14532120). Can form an active IFNB1 receptor by itself and activate a signaling cascade that does not involve activation of the JAK-STAT pathway (PubMed:23872679). Contributes to modulate the innate immune response to bacterial lipopolysaccharide (PubMed:23872679).[UniProtKB/Swiss-Prot Function]