

Product datasheet for **RG236830**

IFNAR2 (NM_001289128) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFNAR2 (NM_001289128) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IFNAR2
Synonyms:	IFN-alpha-REC; IFN-R; IFNABR; IFNARB; IMD45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236830 representing NM_001289128. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTTTTGAGCCAGAATGCCTTCATCTTCAGATCACTTAATTTGGTTTCATGGTGTATATCAGCCTC
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AATTTCCGGTCCATCTTATCATGGGAATTAACCACTCCATTGTACCACTCACTATACATTGCTG
TATAAATCATGAGTAAACCAGAAGATTTGAAGGTGGTTAAGAACTGTGCAAATACCACAAGATCATT
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AACACAACGTTGTTTCAGTTGCTCACACAATTTCTGGCTGGCCATAGACATGTCTTTGAACCACCAGAG
TTTGAGATTGTTGGTTTTACCAACCACATTAATGTGATGGTGAAATTTCCATCTATTGTTGAGGAAGAA
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GTATCTGTTTATTTAGAGCACAGTGTAGCAAGCAGTAATAAAGTCTCCCTTAAATGCACCTCCTT
CCACCTGGCCAGGAATCAGAATTTTCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236830
 Blue=ORF Red=Cloning site Green=Tag(s)

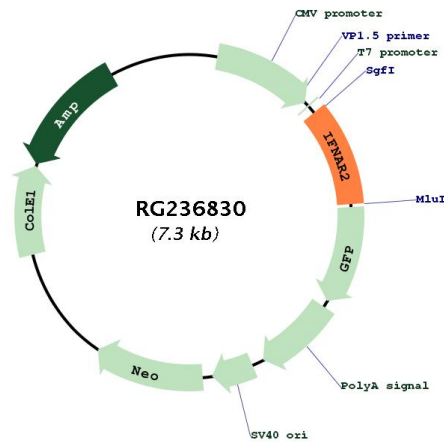
MLLSQNAFIFRSLNVLVMVYISLVFGISYDSPDYDESCTFKISLRNFRSILSWELKNHSIVPTHYLL
 YTIMSKPEDLKVVKNCAANTTRSFCDLDEWRSTHEAYVTVLEGFSGNTTLFSCSHNFWLAIDMSFEPPE
 FEIVGFTNHINVMVKFSPIVEEELQFDLSLVIEEQSEGIKKHKPEIKGNMNGNFYIIDKLIPTNYC
 VSVYLEHSDEQAVIKSPLKCTLLPPGQSEFS
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSTMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289128

ORF Size:	717 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).
RefSeq:	NM_001289128.1 , NP_001276057.1
RefSeq Size:	2835 bp
RefSeq ORF:	720 bp
Locus ID:	3455
UniProt ID:	P48551
Cytogenetics:	21q22.11
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity, Toll-like receptor signaling pathway
MW:	27.8 kDa
Gene Summary:	The protein encoded by this gene is a type I membrane protein that forms one of the two chains of a receptor for interferons alpha and beta. Binding and activation of the receptor stimulates Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2. The protein belongs to the type II cytokine receptor family. Mutations in this gene are associated with Immunodeficiency 45. [provided by RefSeq, Jul 2020]