

Product datasheet for **RC237890**

IL18R1 (NM_001282399) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL18R1 (NM_001282399) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL18R1
Synonyms:	CD218a; CDw218a; IL-1Rrp; IL-18R-alpha; IL-18Ralpha; IL1RRP; IL18RA; IL18Ralpha2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237890 representing NM_001282399 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACGTAAAAAGCTACTACTGGAGAACAATAAAAACCAACGATAAAGAAGAACGCCGAGTTTGAAG
ATCAGGGGTACTCTCGCTGCAATTTCTTCATCATAATGGAAAATTTAATATACCAAAAACCTT
CAATATAACAATAGTGGAAAGATCGCAGTAATATAGTTCCGGTTCTTCTGGACCAAGCTTAACCATGTT
GCAGTGAATTAGGAAAAACGTAAGGCTCAACTGCTCTGCTTTGCTGAATGAAGAGGATGTAATTTATT
GGATGTTCCGGGAAGAAAATGGATCGGATCCTAATATACATGAAGAGAAAAGAAATGAGAATTATGACTCC
AGAAGGCAAAATGGCATGCTTCAAAAGTATTGAGAATTGAAAATATTGGTGAAGCAATCTAAATGTTTTA
TATAATTGCACGTGGCCAGCACGGGAGGCACAGACACCAAAAGCTTCATCTTGGTGAGAAAAGACATGG
CTGATATCCAGGCCACGTCTTCAAGAGGAATGATCATAGCTGTTTTGATCTTGGTGCCAGTAGTGTG
CCTAGTGACTGTGTGTGTCATTTATAGAGTTGACTTGGTTCTATTTTATAGACATTTAACGAGAAGAGAT
GAAACATTAACAGATGGAAAAACATATGATGCTTTTGTGCTTACCTAAAAGAATGCCGACCTGAAAATG
GAGAGGACACACCTTTGCTGTGGAGATTTGCCAGGGTGTGGAGAAACATTTGGGTATAAGTTATG
CATATTTGAAAGGATGTAGTGCCTGGAGAGCTGTTGTTGATGAAATCCACTCACTGATAGAGAAAAGC
CGAAGACTAATCATTGTCTAAGTAAAAGTTATATGTCTAATGAGGTCAGGTATGAACCTGAAAAGTGGAC
TCCATGAAGCATTGGTGGAAAGAAAAATTTAAATAATCTTAATTGAATTTACACCTGTTACTGACTTCAC
ATTCTTGCCCAATCACTAAAGCTTTTGAATCTCACAGAGTTCTGAAGTGAAGGCCGATAAATCTCTT
TCTTATAACTCAAGTTCTGGAAGAACCTTCTTTACTTAATGCCTGCAAAAACAGTCAAGCCAGGTAGAG
ACGAACCGAAGTCTTGCCTGTTCTTTCCGAGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237890 representing NM_001282399
 Red=Cloning site Green=Tags(s)

MNCKKLLLENNKNPTIKKNAEFEDQGYSCVHFLHHNGKLFNITKTFNITIVEDRSNIVPVLGPKLNHV
 AVELGKNVRLNCSALLNEEDVIYWMFGEENGSDPNIHEEKEMRIMTPEGKWHASKVLRINIENIGESNLNVL
 YNCTVASTGGTDTKSFILVRKDMADIPGHVFTRGMIIAVLILVAVVCLVTVCVIYRVDLVLFYRHLTRRD
 ETLDGKTYDAFVSYLKECRPENGEHTEFAVEILPRVLEKHFQYKLCIFERDVVPGAVVDEIHSLEIKS
 RRLIIVLSKSYMSNEVRYELESGLHEALVERKIKIILIEFTPVTDFTFLLPQSLKLLKSHRVLKWKADKSL
 SYNSRFWKNLLYLMPAKTVKPGRDEPEVLPVLSSES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

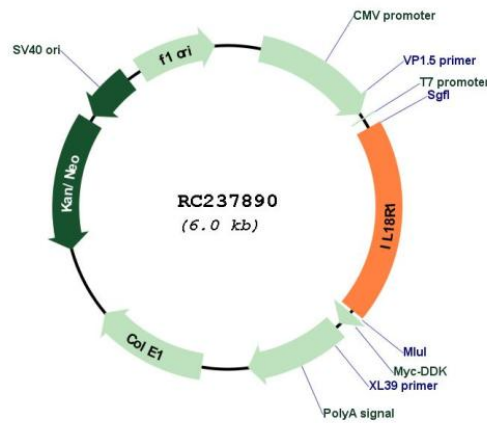
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282399

ORF Size:	1155 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:	<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:	NM_001282399.2
RefSeq Size:	3471 bp
RefSeq ORF:	1158 bp
Locus ID:	8809
UniProt ID:	Q13478
Cytogenetics:	2q12.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction
MW:	44.6 kDa
Gene Summary:	The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This receptor specifically binds interleukin 18 (IL18), and is essential for IL18 mediated signal transduction. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells. This gene along with four other members of the interleukin 1 receptor family, including IL1R2, IL1R1, ILRL2 (IL-1Rrp2), and IL1RL1 (T1/ST2), form a gene cluster on chromosome 2q. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]