

Product datasheet for **MG225770**

Il18r1 (NM_001161842) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il18r1 (NM_001161842) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Il18r1
Synonyms: Il1rrp; Il18ralpha
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG225770 representing NM_001161842
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCATCATGAAGAATTAATCTTGACACTCTGCATTCTCATTGTTAAAAGTGCCTCAAAAAGTTGTATTC
 ACCGATCACAATTCATGTGGTAGAGGGAGAACCTTTTTATCTGAAGCCATGTGGCATATCTGCACCAGT
 GCACAGGAATGAAACAGCCACCATGAGATGGTTCAAAGGCAGTGCTTCACATGAGTATAGAGAGCTGAAC
 AACAGAAGCTCGCCAGAGTCACCTTTTCATGATCACACCTTGAATTCTGGCCAGTTGAGATGGAGGATG
 AGGGAACGTACATTTCTCAAGTCGAAATGATCGTCGCAATTGGACCTTAAATGTCACCAAAAGAAACAA
 ACACAGCTGTTTCTGACAAGCTCGTGACAAGCAGAGATGTTGAAGTTAACAAATCTCTGCATATCACT
 TGTAAAGATCCTAACTATGAAGAGCTGATCCAGGACACATGGCTGTATAAGAACTGTAAGGAAATATCCA
 AAACCCCAAGGATCCTGAAGGATGCCGAGTTTGGAGATGAGGGCTACTACTCCTGCGTGTCTTCTGTCCA
 CCATAATGGGACACGGTACAACATCACCAAGACTGTCAATATAACAGTTATTGAAGGAAGGAGTAAAGTA
 ACTCCAGCTATTTTAGGACCAAAGTGTGAGAAGTTGGTGTAGAAGTACTAGGAAAGGATGTGGAGTTGAACT
 GCAGTGCTTCATTGAATAAAGACGATCTGTTTTATTGGAGCATCAGGAAAGAGGACAGCTCAGACCCTAA
 TGTGCAAGAAGACAGGAAGGAGACGACAACATGGATTTCTGAAGGCAACTGCATGCTTCAAAAATACTG
 AGATTTTCAAAAATACTGAAAATCTCAATGTTTTATATAATTGCACCGTGCCCAACGAAGAAGCCA
 TAGACACCAAGAGCTTCGTCTTGGTGAGAAAAGAAATACCTGATATCCCAGGCCATGTCTTTACAGGAGG
 AGTAACTGTGCTTCTCGCCTCTGTGCGAGCAGTGTGTATAGTATTTGTGTGCATTTATAAAGTT
 GACTTGGTTCTGTCTATAGGCGCATAGCGGAAAGAGACGAGACACTAACAGGTAATATGCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225770 representing NM_001161842
 Red=Cloning site Green=Tags(s)

MHHEELILTLCILIVKSASKSCIHRSQIHVVEGEPFYLKPCGISAPVHRNETATMRWFKGSASHEYRELN
 NRSSPRVTFHDHTLEFWPVEDEGTYISQVGNDRRNWTLNVTKRKHSCFSDKLVTSRDVEVNKSLHIT
 CKNPNYEELIQDTWLYKNCKEISKTPRILKDAEFGDEGYSCVFSVHNGTRYNITKTVNITVIEGRSKV
 TPAILGPKCEKVGVELGKDVELNCSASLNKDDLFWYSIRKEDSSDPNVQEDRKETTTWISEGKLHASKIL
 RFQKITENYLNVLNCTVANEAAIDTKSFVLRKEIPDIPGHVFTGGVTVLVLASVAAVCIVILCVIYKV
 DLVLFYRRIAERDETLTGNMLL

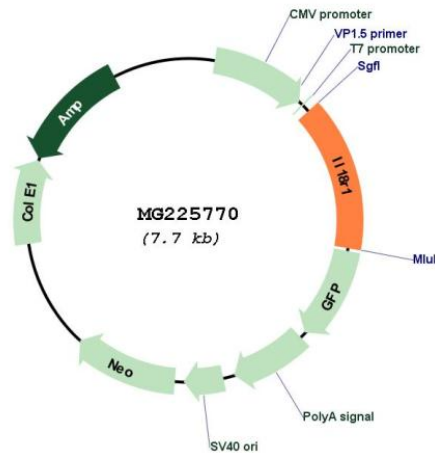
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001161842

ORF Size:	1116 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_001161842.1 , NP_001155314.1
RefSeq Size:	1919 bp
RefSeq ORF:	1119 bp
Locus ID:	16182
Cytogenetics:	1 B
Gene Summary:	Within the IL18 receptor complex, responsible for the binding of the proinflammatory cytokine IL18, but not IL1A nor IL1B. Involved in IL18-mediated IFNG synthesis from T-helper 1 (Th1) cells (By similarity). Contributes to IL18-induced cytokine production, either independently of SLC12A3, or as a complex with SLC12A3 (PubMed:26099046). [UniProtKB/Swiss-Prot Function]