

Product datasheet for **MG220951**

Il1r2 (NM_010555) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il1r2 (NM_010555) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Il1r2
Synonyms: CD121b; Il1r-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220951 representing NM_010555
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTCATCTTGCTTGTGTTAGTAACTGGAGTTTCTGCTTTCACCACTCCAACAGTGGTGCACACAGGAA
 AGGTTTCTGAATCCCCATTACATCGGAGAAGCCACAGTCCATGGAGACAAGTGCAGTTTCGTGGCAG
 AGAGTTCAAATCTGAATTGAGGCTGGAAGGTGAACCTGTGGTTCTGAGGTGCCCTTGGCACCTCACTCC
 GACATCTCCAGCAGTCCCATAGTTTTCTGACCTGGAGTAAATTGGACTTCTCAGCTGATCCCAAGAG
 ATGAGCCAAGGATGTGGGTGAAGGTAACATACTCTGGATTCTGCCAGCAGTGCAGCAAGACTCTGGTAC
 CTACATTTGCACATTAGAAACGCATCCCCTGTGAGCAAATGTCTGTGGAAGTCAAGGTCTTTAAGAAT
 ACTGAAGCATCTCTGCCTCATGTCTCCTACTTGCAAATCTCAGCTCTCTCCACCACCGGGTACTAGTGT
 GCCCTGACCTGAAAGAATTCATCTCCAGCAACGCTGATGGAAAGATACAGTGGTATAAGGGGCCATACT
 CTTGGATAAAGGCAATAAGGAATTTCTGAGTGCAGGAGACCCACACGCCTATTGATATCCAACACGTCC
 ATGGACGATGCAGGCTATTACAGATGTGTTATGACATTTACCTACAATGGCCAGGAATACAACATCACTA
 GGAATATTGAACTCCGGGTCAAAGGAACAACCACGGAACCCATCCCTGTGATCATTTCTCCCCTGGAGAC
 AATACCAGCATCATTGGGGTCAAGACTGATAGTCCCGTGCAAAGTGTTCCTGGAACTGGTACATCTTCC
 AACACCATTTGTGGTGGTTGGCTAACAGCACGTTTATCTCGGCTGCTTACCCAAGAGCCGTGTGACCCG
 AGGGGCTACACCACAGTACTCAGAGAATGATGAAAATGATGTGGAAGTGTGCTGATTTTTGATCCAGT
 CACAAGGGAGGATCTGCATACAGATTTTAAATGTGTTGCCTCGAATCCACGGAGTTCTCAGTCACTCCAT
 ACCACAGTCAAAGAAGTCTCTTCCACGTTCTCCTGGAGCATTGCGCTGGCACCTCTGTCTGATCATCT
 TGGTTGTGGGGCAATATGGATGCGCAGACGGTGTAAACGCAGGGCTGGAAGACATATGGACTGACCAA
 GCTACGGACTGACAACAGGACTTCCCTTCCAGCCCAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220951 representing NM_010555
 Red=Cloning site Green=Tags(s)

MFILLVLVTGVSFAFTTPTVVHTGKVSSEPTSEKPTVHGDNCQFRGREFKSELRLLEGEPVVLRCPLAPHS
 DISSSSHSFLTWSKLDSSQLIPRDEPRMVKGNILWILPAVQQDSGTICTFRNASHCEQMSVELKVFKN
 TEASLPHVSYLQISALSTTGLLVCPDLKEFISSNADGKIQWYKGAILLDKGNKEFLSAGDPTRLLISNTS
 MDDAGYYRCVMTFTYNGQEYNI TRNIELRVKGTTEPIPVIIISPLETIPASLGSRLIVPCKVFLGTGTSS
 NTIVWLLANSTFISAAYPRGRVTEGLHHQYSENDENYVEVSLIFDPVTREDLHTDFKCVASNPRSSQSLH
 TTVKEVSSTFSWSIALAPLSLIIILVVGAIWMRRRCKRRAGKTYGLTKLRDNDQDFPSSPN

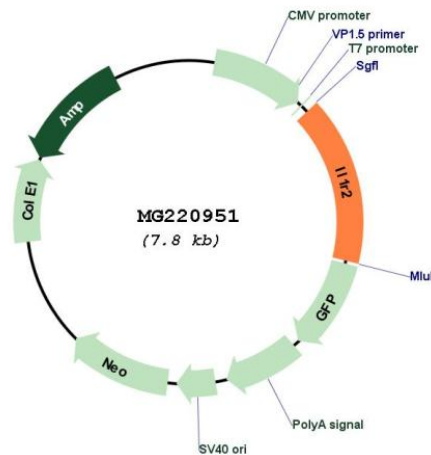
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010555

ORF Size:	1230 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_010555.5
RefSeq Size:	1360 bp
RefSeq ORF:	1233 bp
Locus ID:	16178
UniProt ID:	P27931
Cytogenetics:	1 18.65 cM
Gene Summary:	Non-signaling receptor for IL1A, IL1B and IL1RN. Reduces IL1B activities. Serves as a decoy receptor by competitive binding to IL1B and preventing its binding to IL1R1. Also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors (By similarity). [UniProtKB/Swiss-Prot Function]