

Product datasheet for **RG211477**

IL23 Receptor (IL23R) (NM_144701) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL23 Receptor (IL23R) (NM_144701) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL23 Receptor
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211477 representing NM_144701
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCATGTCACTATTCAATGGGATGCAGTAATAGCCCTTTACATACTCTTCAGCTGGTGCATGGAG
 GAATTACAAATATAAACTGCTCTGGCCACATCTGGGTAGAACCAGCCACAATTTTTAAGATGGGTATGAA
 TATCTCTATATATTGCCAAGCAGCAATTAAGAAGCTGCCAACCAAGGAACTTCATTTTTATAAAAAATGGC
 ATCAAAGAAAGATTTCAAATCACAAAGGATTAATAAAACAACAGCTCGGCTTTGGTATAAAAACTTTCTGG
 AACACATGCTTCTATGTACTGCACTGTGAATGTCCAAACATTTTCAAGAGACACTGATATGTGGAAA
 AGACATTTCTTCTGGATATCCGCCAGATATTCCTGATGAAGTAACCTGTGCATTTATGAATATTCAGGC
 AACATGACTTGCACCTGGAATGCTGGGAAGCTCACCTACATAGACACAAAATACGTGGTACATGTGAAGA
 GTTTAGAGACAGAAGAAGAGCAACAGTATCTCACCTCAAGCTATATTAACATCTCCACTGATTCATTACA
 AGGTGGCAAGAAGTACTTGGTTTGGGTCCAAGCAGCAAACGCCTAGGCATGGAAGAGTCAAACAACCTG
 CAAATTCACCTGGATGATATAGTGATACCTTCTGCAGCCGTCATTTCCAGGGCTGAGACTATAAATGCTA
 CAGTGCCCAAGACCATAATTTATTGGGATAGTCAAACAACAAATGAAAAGGTTTCTGTGAAATGAGATA
 CAAGGCTACAACAACAACTTGGAAATGTTAAAGAATTTGACACCAATTTTACATATGTGCAACAGTCA
 GAATTCCTACTTGGAGCCAAACATTAAGTACGTATTTCAAGTGAGATGTCAAGAAACAGGCAAAAGGTACT
 GGCAGCCTTGGAGTTCACCGTTTTTTCATAAAACACCTGAAACAGTTCACCCAGGTACATCAAAGCATT
 CCAACATGACACATGGAATCTGGGCTAACAGTTGCTTCCATCTCTACAGGACACCTTACTTCTGACAAC
 AGAGGAGACATTGGACTTTTATTGGGAATGATCGTCTTTGCTGTTATGTTGTCAATCTTTCTTTGATTG
 GGATATTTAACAGATCATTCCGAACTGGGATTAAGAAGGATCTTATTGTTAATACCAAAGTGGCTTTA
 TGAAGATATTCTAATATGAAAAACAGCAATGTTGTGAAAATGCTACAGGAAAATAGTGAACCTATGAAT
 AATAATCCAGTGAGCAGGTCTATATGTTGATCCCATGATTACAGAGATAAAAGAAATCTTCATCCAG
 AACACAAGCCTACAGACTACAAGAAGGAGAATACAGGACCCCTGGAGACAAGAGACTACCCGCAAAACTC
 GCTATTCGACAATACTACAGTTGTATATATTCCTGATCTCAACACTGGATATAAACCCCAATTTCAAAT
 TTTCTGCCTGAGGGAAGCCATCTCAGCAATAATAATGAAATTAATTTCTTAACTTAAACCACCAGTTG
 ATTCCTTAGACTCAGGAAATAATCCAGGTTACAAAAGCATCCTAATTTTGCTTTTTCTGTTTCAAGTGT
 GAATTCCTAAGCAACACAATTTTCTTGAGAATTAAGCCTCATATTAATCAAGGAGAATGCAGTTCT
 CCTGACATACAAAACCTCAGTAGAGGAGGAAACCACCATGCTTTTGGAAAATGATTACCCAGTGAACCTA
 TTCCAGAACAGACCTGCTTCTGATGAATTTGTCTCCTGTTTGGGGATCGTGAATGAGGAGTTGCCATC
 TATTAATACTTATTTCCACAAAATATTTTGGAAAGCCACTTCAATAGGATTTCACTCTTGGAAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211477 representing NM_144701
 Red=Cloning site Green=Tags(s)

MNHVTIQWDAVIALYILFSWCHGGITNINCSGHIWVEPATIFKMGMNISYQAAIKNCQPRKLHFYKNG
 IKERFQITRINKTARLWYKNFLEPHASMYCTAECPKHFQETL ICGKDISSGYPDPIDPEVTCVIYEYS
 NMTCTWNAAGLTYIDTKYVHVKSLETEEEQQYL TSSYINISTDSLQGGKYL VVWQAANALGMEESKQL
 QIHLDDIVIPSAAVISRAETINATVPKTI IYWDSQTTIEKVSCEMRYKATTNQTWNVKEFDNTFYVQQS
 EFYLEPNIKYVFQVRCQETGKRYWQPWSSPFFHKTPETVPQVTSKAFQHDWNSGLTVASISTGHL TSDN
 RGDIGLLLGMIVFAVMLSILSLIGIFNRSFRTGIKRRILLIPKWL YEDIPNMKNSNVVVMLQENSELMN
 NNSSEQVLYVDPMITEIKEIFIPEHKPTDYKENTGPLETRDYPQNSLFDNTTVVYIPDLNTGYKQPQISN
 FLPEGSHLSNNNEITSLTLKPPVDSLDSGNNPRLQKHPNFAF SVSSVNSLSNTIFL GELSLILNQGECS
 PDIQNSVEEETMLLENDSPSETIPEQTLLPDEFV SCLGIVNEELPSINTYFPQNILESHFNRLSLEK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_144701

ORF Size: 1887 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:

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_144701.2](#), [NP_653302.2](#)

RefSeq Size: 2826 bp

RefSeq ORF: 1890 bp

Locus ID: 149233

UniProt ID: [Q5VWK5](#)

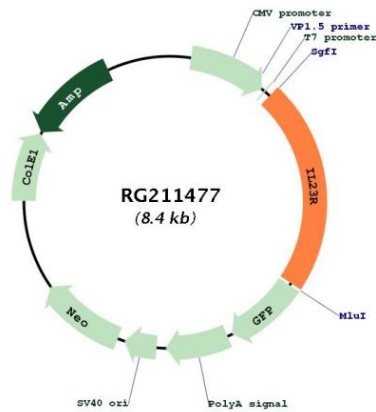
Cytogenetics: 1p31.3

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Gene Summary: The protein encoded by this gene is a subunit of the receptor for IL23A/IL23. This protein pairs with the receptor molecule IL12RB1/IL12Rbeta1, and both are required for IL23A signaling. This protein associates constitutively with Janus kinase 2 (JAK2), and also binds to transcription activator STAT3 in a ligand-dependent manner. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG211477