

Product datasheet for **RG200654**

IL11RA (NM_004512) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL11RA (NM_004512) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL11RA
Synonyms:	CRSDA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200654 representing NM_004512 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGCAGCTGCTCAGGGCTGAGCAGGGTCTGGTGGCCGTGGCTACAGCCCTGGTGTCTGCCTCT
CCCCCTGCCCCAGGCCCTGGGGCCCCAGGGTCCAGTATGGGCAGCCAGGCAGGTCCGTGAAGCTGTG
TTGTCTGGAGTGACTGCCGGGACCCAGTGTCTGGTTTCGGGATGGGAGCCAAAGCTGCTCCAGGGA
CCTGACTCTGGGCTAGGGCATGAACTGGTCTGGCCAGGCAGACAGCACTGATGAGGGCACCTACATCT
GCCAGACCCTGGATGGTGCCTGGGGGACAGTGACCCTGCAGCTGGGCTACCCTCCAGCCCGCCTGT
TGTCTCTGCCAAGCAGCCGACTATGAGAACTTCTTTCGACTTGGAGTCCCAGCCAGATCAGCGGTTTA
CCCACCCGCTACCTCACCTCCTACAGGAAGAAGACAGTCCTAGGAGCTGATAGCCAGAGGAGGAGTCCAT
CCACAGGGCCCTGGCCATGCCACAGGATCCCCTAGGGGCTGCCCGCTGTGTTGTCCACGGGGCTGAGTT
CTGGAGCCAGTACCGGATTAATGTGACTGAGGTGAACCCACTGGGTGCCAGCACACGCCTGCTGGATGTG
AGCTTGCAGAGCATCTTGCGCCCTGACCCACCCAGGGCCTGCGGGTAGAGTCAGTACCAGGTTACCCCC
GACGCCTGCGAGCCAGCTGGACATACCTGCCTCCTGGCCGTGCCAGCCCCACTTCTGCTCAAGTCCG
TTTGCAGTACCGTCCGGCGCAGCATCCAGCCTGGTCCACGGTGGAGCCAGCTGGACTGGAGGAGGTGATC
ACAGATGCTGTGGCTGGGCTGCCCATGCTGTACGAGTCAGTGCCCGGACTTTCTAGATGCTGGCACCT
GGAGCACCTGGAGCCCGAGGCCTGGGGAACCTCCGAGCACTGGGACCATACCAAAGGAGATACCAGCATG
GGCCAGCTACACACGCAGCCAGAGGTGGAGCCTCAGGTGGACAGCCCTGCTCCTCCAAGGCCCTCCCTC
CAACCACACCCTCGGCTACTTGATCACAGGGACTCTGTGGAGCAGGTAGCTGTGCTGGCGTCTTTGGGAA
TCCTTTCTTCTGGGACTGGTGGCTGGGGCCCTGGCACTGGGGCTCTGGCTGAGGCTGAGACGGGGTGG
GAAGGATGGATCCCCAAGCCTGGGTTCTTGGCCTCAGTGATTCCAGTGGACAGGCGTCCAGGAGCTCCA
AACCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200654 representing NM_004512
Red=Cloning site Green=Tags(s)

MSSSCGLSRVLVAVATALVSASSPCQAWGPPGVQYQGPGRSVKLCPCGVTAGDPVSWFRDGEKLLQG
 PDSGLGHELVL AQADSTDEGTICQTLDGALGGTVTLQLGYPPARPVVSCQAADYENF SCTWSPQISGL
 PTRYLTSYRKKTVLGADSRSPSTGPWPCPDPLGAARCVVHGAEFWSQYRINVTEVNPLGASTRLLDV
 SLQSI LRDPDPPQGLRVESVPGYPRRLRASWTYPASWPCQPHFLKFRLLQYRPAQHPAWSTVEPAGLEEVI
 TDAVAGLPHAVRVSARDFLDAGTWSTWSPEAWGTPSTGTIPKEIPAWGQLHTQPEVEPQVDS PAPP RPSL
 QPHRLLDHRDSVEQVAVLASLGILSFLGLVAGALALGLWLRRLRRGGKDGSPKPGFLASVIPVDRRPGAP
 NL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004512

ORF Size: 1266 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_004512.3](#), [NP_004503.1](#)

RefSeq Size: 1776 bp

RefSeq ORF: 1268 bp

Locus ID: 3590

Cytogenetics: 9p13.3

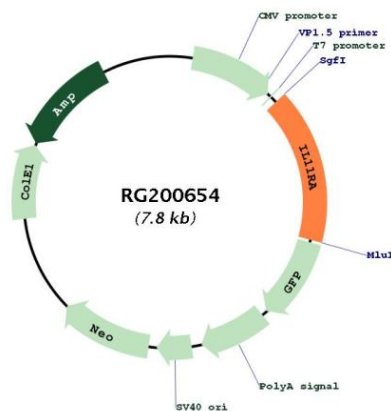
Domains: ig, IG, FN3

Protein Families: Druggable Genome, Transmembrane

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

Gene Summary: Interleukin 11 is a stromal cell-derived cytokine that belongs to a family of pleiotropic and redundant cytokines that use the gp130 transducing subunit in their high affinity receptors. This gene encodes the IL-11 receptor, which is a member of the hematopoietic cytokine receptor family. This particular receptor is very similar to ciliary neurotrophic factor, since both contain an extracellular region with a 2-domain structure composed of an immunoglobulin-like domain and a cytokine receptor-like domain. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RG200654