

## Product datasheet for **RG226571**

### IL11RA (NM\_001142784) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL11RA (NM_001142784) 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:	>RG226571 representing NM_001142784 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCAGCAGCTGCTCAGGGCTGAGCAGGGTCTGGTGGCCGTGGCTACAGCCCTGGTGTCTGCCTCT  
CCCCCTGCCCCAGGCCCTGGGGCCCCAGGGTCCAGTATGGGCAGCCAGGCAGGTCCGTGAAGCTGTG  
TTGTCTGGAGTGACTGCCGGGACCCAGTGTCTGGTTTCGGGATGGGAGCCAAAGCTCTCCAGGGA  
CCTGACTCTGGGCTAGGGCATGAACTGGTCTGGCCAGGCAGCAGCACTGATGAGGGCACCTACATCT  
GCCAGACCCTGGATGGTGCCTGGGGCACAGTGACCCTGCAGCTGGGCTACCTCCAGCCCGCCTGT  
TGTCTCTGCCAAGCAGCCGACTATGAGAACTTCTTTCGACTTGGAGTCCAGCCAGATCAGCGGTTTA  
CCCACCCGCTACCTCACCTCCTACAGGAAGAAGACAGTCCTAGGAGCTGATAGCCAGAGGAGGAGTCCAT  
CCACAGGGCCCTGGCCATGCCACAGGATCCCCTAGGGGCTGCCCGCTGTGTGTCCACGGGGCTGAGTT  
CTGGAGCCAGTACCGGATTAATGTGACTGAGGTGAACCCACTGGGTGCCAGCACAGCCTGCTGGATGTG  
AGCTTGCAGAGCATTTGCGCCCTGACCCACCCAGGGCCTGCGGGTAGAGTCACTACAGGTTACCCCC  
GACGCCTGCGAGCCAGCTGGACATACCTGCCTCCTGGCCGTGCCAGCCCACTTCTGTCAAGTCCG  
TTTGCAGTACCGTCCGGCGCAGCATCCAGCCTGGTCCACGGTGGAGCCAGCTGGACTGGAGGAGGTGATC  
ACAGATGCTGTGGCTGGGCTGCCCATGCTGTACGAGTCACTGCCGGGACTTTCTAGATGCTGGCACCT  
GGAGCACCTGGAGCCCGAGGCCTGGGGAACCTCCGAGCACTGGGACCATACCAAAGGAGATACCAGCATG  
GGCCAGCTACACACGCAGCCAGAGGTGGAGCCTCAGGTGGACAGCCCTGCTCCTCAAGGCCCTCCCTC  
CAACCACACCCTCGGCTACTTGATCACAGGGACTCTGTGGAGCAGGTAGCTGTGCTGGCGTCTTTGGGAA  
TCCTTTCTTCTGGGACTGGTGGCTGGGGCCCTGGCACTGGGGCTCTGGCTGAGGCTGAGACGGGGTGG  
GAAGGATGGATCCCCAAGCCTGGGTTCTTGGCCTCAGTGATTCCAGTGGACAGGCGTCCAGGAGCTCCA  
AACCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG226571 representing NM\_001142784  
 Red=Cloning site Green=Tags(s)

MSSSCGLSRVLVAVATALVSASSPCQAWGPPGVQYQGQGRSVKLCPCGVTAGDPVSWFRDGEKLLQG  
 PDSGLGHELVL AQADSTDEGTIICQTLDGALGGTVTLQLGYPPARPVVSCQAADYENF SCTWSPSQISGL  
 PTRYLTSYRKKTVL GADSRRSPTSTGPWPCQDPLGAARCVVHGAEFWSQYRINVTENVPLGASTRLLDV  
 SLQSILRPDPPQGLRVESVPGYPRRLRASWTYPASWPCQPHFLKFRLLQYRPAQHPAWSTVEPAGLEEV  
 TDAVAGLPHAVRVSARDFLDAGTWTWSPAWGTPSTGTIPKEIPAWQLHTQPEVEPQVDSAPPRPSL  
 QPHRLLDHRDSVEQVAVLASLGLSFLGLVAGALALGLWLRRLRRGGKDGSPKPGFLASVIPVDRRPGAP  
 NL

TRTRPLE - GFP Tag - V

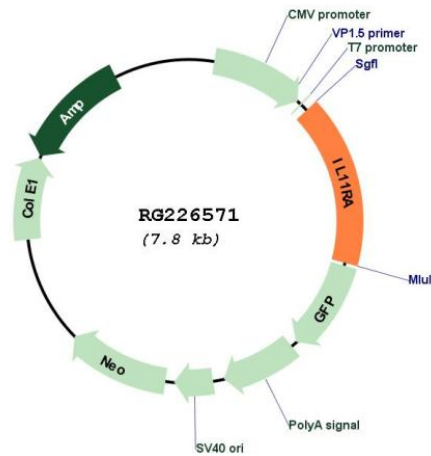
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001142784

<b>ORF Size:</b>	1266 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001142784.3</a>
<b>RefSeq Size:</b>	1760 bp
<b>RefSeq ORF:</b>	1269 bp
<b>Locus ID:</b>	3590
<b>UniProt ID:</b>	<a href="#">Q14626</a>
<b>Cytogenetics:</b>	9p13.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway
<b>Gene Summary:</b>	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]