

## Product datasheet for **MG224077**

### **Crlf2 (NM\_001164735) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Crlf2 (NM\_001164735) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Crlf2  
**Synonyms:** CRLM2; Ly114; Tpte2; Tslpr  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG224077 representing NM\_001164735  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCATGGGCACTCGCGGTCACTCCTCGCTCGGCTCCTTGCGGCGGCAGCGGCGGGCGGGCGGTGA  
 CGTCACGGGGTGTGTACAGTCGTCTGCCATGACCTGGAGACGGTGGAGGTACGTGGGGCTCGGGCCC  
 CGACCACCAGGGCGCAACTTGAGCCTGGAGTTCGTTATGGCACTGGCGCCTGCAACCCTGCCCGCA  
 TATTTCTGTCCGGCGCTGGTGTCACTTCCGGGTGCATCCTCCCCGCGGAGGGCGGGGCTGCTGGAGC  
 TGGCACTGCGCGACGGAGCGGGGCCATGGTGTAAAGGCTAGGCAGCGCGCTCCGCTGGCTGAAGCC  
 CCGCCACCTTGAATGTGACGCTGCTCTGGACACCAGACGGGGACGTGACTGTCTCCTGGCCTGCCAC  
 TCTACCTGGGCCTGGACTACGAGGTGCAGCACCGGGAGAGCAATGACGATGAGGACGCCTGGCAGACGA  
 CCTCAGGGCCCTGCTGTGACTTGACAGTGGGCGGGCTCGACCCCGTACGCTGCTATGACTTCCGGTTTCG  
 GGCGTCGCCCCGGGCCGCGCACTATGGCCTGGAGGCGCAGCCTAGCGAGTGGACAGCGGTGACAAGGCTT  
 TCCGGGGCAGCATCCGCGGGTGACCCCTGCGCCGCCACCTTCCCCCCTAGCCTCCTGTACCGCAAGCC  
 CCGCCCATCCCCGGCCCTGGCCCGCCCTCTGCCCTGGGCTGCGGCTAGCAGCGCTGCTGACT  
 GTCCCTGCTCCTGGCCGCCCTGAGGCTTCGAGGGTAAAAGATGCGCTGCTGCCCTGCGTCCCTGACCCC  
 AGCGGCTCCTTCCCTGGACTCTTTGAGAAGCATCACGGAACTTCCAGGCCTGGATTGCGGACGCCAGG  
 CCACAGCCCCGAGCCAGGACCGAGGAGGAAGATGACCTATCCACACCAAGGCTAAGAGGGTGGAGCC  
 CGAGGACGGCACCTCCCTCTGCACCGTCCAAAGGCCACCCAGCTTCGAGCCAAGGGGGCCGGAGGCGGG  
 GCCATGGTGTGAGTGGGCGGGCCACGTTATGGTGGGCGACAGCGGCTACATGACCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG224077 representing NM\_001164735  
Red=Cloning site Green=Tags(s)

MAWALAVILLPRLLAAAAAAAAVTSRGDVTVVCHDLETVEVTWGSQPDHGHANLSLEFRYGTGALQPCPR  
 YFLSGAGVTSGCILPAARAGLLELALRDGGGAMVFKARQRASAWLKPRPPWNVTLLWTPDGDVTVSWPAH  
 SYLGLDYEYQHRESNDDAWQTTSGPCCDLTVGGLDPVRCYDFRVRASPRAAHYGLEAQPSEWAVTRL  
 SGAASAGDPCAAHLPLASCTASPAPSPALAPPLLPLGCGLAALLTL SLLLAALRLRRVKDALLPCVPDP  
 SGSFPGLFEKHGHNFAQWIADAQATAPPARTEEDDLIHTKAKRVEPEDGTSLSCTVPRPPSFEPGPGGG  
 AMVSVGGATFMVGDSDGYMTL

TRTRPLE - GFP Tag - V

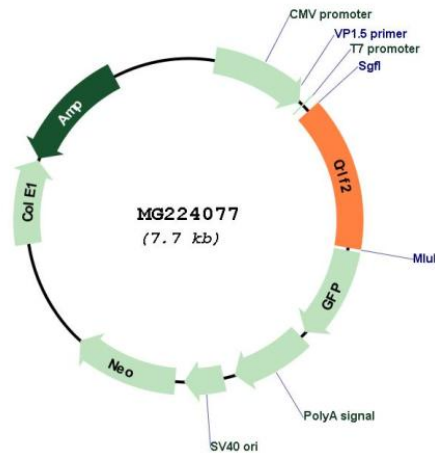
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001164735

<b>ORF Size:</b>	1110 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_001164735.1</a> , <a href="#">NP_001158207.1</a>
<b>RefSeq Size:</b>	1371 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	57914
<b>UniProt ID:</b>	<a href="#">Q8CII9</a>
<b>Cytogenetics:</b>	5 F
<b>Gene Summary:</b>	Receptor for thymic stromal lymphopoietin (TSLP). Forms a functional complex with TSLP and IL7R which is capable of stimulating cell proliferation through activation of STAT3 and STAT5. Also activates JAK2. Implicated in the development of the hematopoietic system. [UniProtKB/Swiss-Prot Function]