

Product datasheet for **MG205490**

Crlf2 (NM_016715) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crlf2 (NM_016715) 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:	>MG205490 representing NM_016715 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATGGGCACTCGGGTCACTCCTCCTCGCTCGGCTCCTTGC GGCGGCAGCGGCGGGCGGGCGGGTGA
CGTCACGGGGTATGTCACAGTCGTCTGCCATGACCTGGAGACGGTGGAGGTACGTGGGGCTCGGGCCC
CGACCACCACAGCGCAACTTGAGCCTGGAGTTCGTTATGGTACTGGCGCCTGCAACCCTGCCCGCA
TATTTCTGTCCGGCGCTGGTGTCACTTCCGGTGCATCCTCCCGCGGCAGGGCGGGGCTGCTGGAGC
TGGCACTGCGCGACGGAGCGGGGCCATGGTGTAAAGGCTAGGCAGCGCGTCCGCTGGCTGAAGCC
CCGCCACCTTGAATGTGACGCTGCTCTGGACACCAGACGGGGACGTGACTGTCTCCTGGCCTGCCAC
TCTACCTGGGCCTGGACTACGAGGTGCAGCACCGGGAGAGCAATGACGATGAGGACGCCTGGCAGACGA
CCTCAGGGCCCTGCTGTGACTTGACAGTGGGCGGGCTCGACCCCGCGCGTGTATGACTTCCGGTTTCG
GGCGTCGCCCCGGGCCGCGCACTATGGCCTGGAGGCGCAGCCTAGCGAGTGGACAGCGGTGACAAGGCTT
TCCGGGGCAGCATCCGCGGCCTCCTGTACCGCAAGCCCCGCCCATCCCCGGCCCTGGCCCCGCCCTCC
TGCCCCGGGCTGCGGCCTAGCAGCGTGTGACTGTCCCTGCTCCTGGCCGCCCTGAGGCTTCGCAG
GGTGAAAGATGCGCTGCTGCCCTGCGTCCCTGACCCAGCGGCTCCTTCCCTGGACTCTTTGAGAAGCAT
CACGGGAACCTCCAGGCCTGGATTGCGGACGCCAGGCCACAGCCCCGCCAGCCAGGAGGGAAG
ATGACCTCATCCACCCAAAGGCTAAGAGGGTGGAGCCCGAGGATGGCACCTCCCTCTGCACCGTGCCAAG
GCCACCCAGCTTCGAGCCAAGGGGGCCGGAGGCGGGGCCATGGTGTCACTGGGCGGGCCACGTTTCATG
GTGGGCGACAGCGGCTACATGACCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205490 representing NM_016715
 Red=Cloning site Green=Tags(s)

MAWALAVILLPRLLAAAAAAVTSRGDVTVVCHDLETVEVTWGSQPDHHSANLSLEFRYGTGALQPCPR
 YFLSGAGVTSGCILPAARAGLLELALRDGGGAMVFKARQRASAWLKPRPPWNVTLWTPDGDVTVSWPAH
 SYLGLDYEVQHRESNDDDEAWQTTSGPCCDLTVGGLDPARCYDFRVRASPRAAHYGLEAQPSEWTAVTRL
 SGAASAACTASPAPSPALAPLLPLGCGLAALLTLLSLLAALRLRRVKDALLPCVPDPSPGSPGLFEKH
 HGNFQAWIADAQATAPPARTEEDDLIHPKAKRVEPEDGTSLCTVPRPPSFEPGRPGGGAMVSVGGATFM
 VGDSGYMTL

TRTRPLE - GFP Tag - V

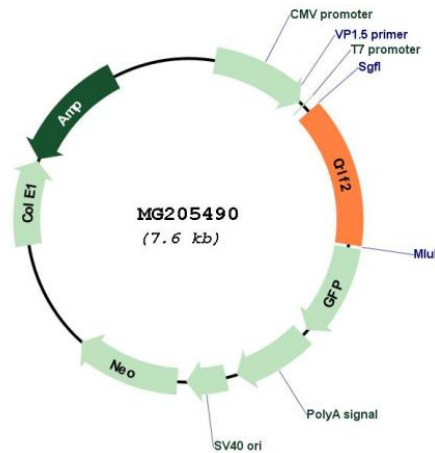
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_016715

ORF Size:	1077 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_016715.3
RefSeq Size:	1332 bp
RefSeq ORF:	1080 bp
Locus ID:	57914
UniProt ID:	Q8CII9
Cytogenetics:	5 F
Gene Summary:	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]