

Product datasheet for MR224077

Crlf2 (NM_001164735) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crlf2 (NM_001164735) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crlf2
Synonyms:	CRLM2; Ly114; Tpte2; Tslpr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224077 representing NM_001164735 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATGGGCACTCGGGTCACTCCTCCTCGCTCGGCTCCTTGC GGCGGCAGCGGCGGGCGGGCGGGTGA
CGTCACGGGGTATGTCACAGTCGTCTGCCATGACCTGGAGACGGTGGAGGTACGTGGGGCTCGGGCCC
CGACCACCAGGGCGCAACTTGAGCCTGGAGTTCGTTATGGCACTGGCGCCTGCAACCCTGCCCGCA
TATTTCTGTCCGGCGCTGGTGTCACTTCGGGTGCATCCTCCCCGGCGAGGGCGGGGCTGCTGGAGC
TGGCACTGCGCGACGGAGGCGGGCCATGGTGTAAAGGCTAGGCAGCGCGCTCCGCTGGCTGAAGCC
CCGCCACCTTGAATGTGACGCTGCTCTGGACACCAGACGGGGACGTGACTGTCTCCTGGCCTGCCAC
TCTACCTGGGCCTGGACTACGAGGTGCAGCACCGGGAGAGCAATGACGATGAGGACGCCTGGCAGACGA
CCTCAGGGCCCTGCTGTGACTTGACAGTGGGCGGGCTCGACCCCGTACGCTGCTATGACTTCGGGTTTCG
GGCGTCGCCCCGGGCCGCGCACTATGGCCTGGAGGCGCAGCCTAGCGAGTGGACAGCGGTGACAAGGCTT
TCCGGGGCAGCATCCGCGGGTGACCCCTGCGCCGCCACCTTCCCCCTAGCCTCCTGTACCGCAAGCC
CCGCCCATCCCCGGCCCTGGCCCCGCCCTCTGCCCTGGGCTGCGGCTAGCAGCGCTGCTGACT
GTCCCTGCTCCTGGCCGCCCTGAGGCTTCGAGGGTAAAAGATGCGCTGCTGCCCTGCGTCCCTGACCC
AGCGGCTCCTTCCCTGGACTCTTTGAGAAGCATCACGGAACTTCCAGGCCTGGATTGCGGACGCCCAGG
CCACAGCCCCGAGCCAGGACCGAGGAGGAAGATGACCTATCCACACCAAGGCTAAGAGGGTGGAGCC
CGAGGACGGCACCTCCCTCTGCACCGTGCCAAGGCCACCCAGCTTCGAGCCAAGGGGGCCGGGAGCGGG
GCCATGGTGTAGTGGCGGGGCCACGTTATGGTGGGCGACAGCGGCTACATGACCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR224077 representing NM_001164735
Red=Cloning site Green=Tags(s)

MAWALAVILLPRLLAAAAAAVTSRGDVTVVCHDLETVEVTWGSQPDHGHANLSLEFRYGTGALQPCPR
 YFLSGAGVTSGCILPAARAGLLELALRDGGGAMVFKARQRASAWLKPRPPWNVTLLWTPDGDVTVSWPAH
 SYLGLDYEYQHRESNDDAWQTTSGPCCDLTVGGLDPVRCYDFRVRASPRAAHYGLEAQPSEWTAVTRL
 SGAASAGDPCAHLPLASCTASPAPSPALAPPLLPLGCGLAALLTL SLLLAALRLRRVKDALLPCVPDP
 SGSFPGLFEKHHGNFQAWIADAQATAPPARTEEDDLIHTKAKRVEPEDGTSLSCTVPRPPSFEPGPGGG
 AMVSVGGATFMVGDSDGYMTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1531_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001164735

ORF Size: 1110 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_001164735.1](#), [NP_001158207.1](#)

RefSeq Size: 1371 bp

RefSeq ORF: 1113 bp

Locus ID: 57914

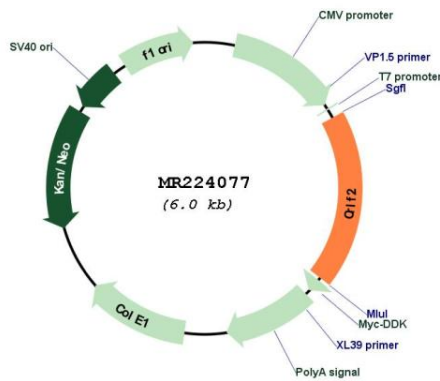
UniProt ID: [Q8CII9](#)

Cytogenetics: 5 F

MW: 39.3 kDa

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]

Product images:



Circular map for MR224077