

Product datasheet for **SC301624**

CRLF2 (NM_001012288) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CRLF2 (NM_001012288) Human Untagged Clone
Tag: Tag Free
Symbol: CRLF2
Synonyms: CRL2; CRLF2Y; TSLPR
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001012288 edited
AACGGTGATGAGGCCTATGACCAGTGCACCAACTACCTTCTCCAGGAAGGTCACACTTCG
GGGTGCCCTCCTAGACGCAGAGCAGCGAGACGACATTCTCTATTTTCCATCAGGAATGGG
ACGCACCCCGTTTTACCGCAAGTCGCTGGATGGTTTATTACCTGAAACCCAGTTCACCCG
AAGCACGTGAGATTTTCGTGGCATCAGGATGCAGTGACGGTGACGTGTTCTGACCTGTCC
TACGGGGATCTCCTCTATGAGGTTCACTACCGGAGCCCTTCGACACCGAGTGGCAGTCC
AAACAGGAAAATACCTGCAACGTCAACATAGAAGGCTTGGATGCCGAGAAGTGTACTCT
TTCTGGGTGAGGTTGAAGGCTATGGAGGATGTATATGGGCCAGACACATACCCAAGCGAC
TGGTCAGAGGTGACATGCTGGCAGAGAGGCGAGATTGGGATGCCTGTGCAGAGACACCA
ACGCCTCCCAAACAAAGCTGTCCAAATTTATTTTAAATTTCCAGCCTGGCCATCCTTCTG
ATGGTGTCTCTCCTCTCTGTCTTTATGGAAATTATGGAGAGTGAGGAAGTTTCTCATT
CCCAGCGTGCCAGACCCGAAATCCATCTTCCCGGGCTCTTTGAGATACCCAAGGGAAC
TTCCAGGAGTGGATCACAGACACCCAGAACGTGGCCACCTCCACAAGATGGCAGGTGCA
GAGCAAGGAAGTGGCCCCGAGGAGCCCTGGTAGTCCAGTTGGCCAAGACTGAAGCCGAG
TCTCCCAGGATGCTGGACCCACAGACCGAGGAGAAAGAGGCTCTGGGGGATCCCTCCAG
CTTCCCACAGCCCTCCAAGGCGGTGATGTGGTCACAATCGGGGGCTTACCTTTGTG
ATGAATGACCGCTCCTACGTGGCGTTGTGATCTAGATTG

Restriction Sites: Please inquire

ACCN: NM_001012288

Insert Size: 930 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_001012288.1.
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:	<u>NM_001012288.1</u> , <u>NP_001012288.1</u>
RefSeq Size:	1013 bp
RefSeq ORF:	780 bp
Locus ID:	64109
UniProt ID:	<u>Q9HC73</u>
Cytogenetics:	X;Y
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
Gene Summary:	<p>This gene encodes a member of the type I cytokine receptor family. The encoded protein is a receptor for thymic stromal lymphopoietin (TSLP). Together with the interleukin 7 receptor (IL7R), the encoded protein and TSLP activate STAT3, STAT5, and JAK2 pathways, which control processes such as cell proliferation and development of the hematopoietic system. Rearrangement of this gene with immunoglobulin heavy chain gene (IGH) on chromosome 14, or with P2Y purinoceptor 8 gene (P2RY8) on the same X or Y chromosomes is associated with B-progenitor acute lymphoblastic leukemia (ALL) and Down syndrome ALL. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon which results in translation initiation at a downstream start codon compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p>