

## Product datasheet for **SC122641**

### Exodus 2 (CCL21) (NM\_002989) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Exodus 2 (CCL21) (NM_002989) Human Untagged Clone
Tag:	Tag Free
Symbol:	Exodus 2
Synonyms:	6Ckine; CKb9; ECL; SCYA21; SLC; TCA4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002989 edited CACAGACATGGCTCAGTCACTGGCTCTGAGCCTCCTTATCCTGGTTCTGGCCTTTGGCAT CCCCAGGACCCAAGGCAGTGATGGAGGGGCTCAGGACTGTTGCCCTCAAGTACAGCCAAAG GAAGATTCGCCCAAGGTTGTCCGAGCTACCGAAGCAGGAACCAAGCTTAGGCTGCTC CATCCCAGCTATCCTGTTCTTGCCCGCAAGCGCTCTCAGGCAGAGCTATGTGCAGACCC AAAGGAGCTCTGGGTGCAGCAGCTGATGCAGCATCTGGACAAGACACCATCCCCACAGAA ACCAGCCCAGGGCTGCAGGAAGGACAGGGGGGCTCCAAGACTGGCAAGAAAGGAAAGGG CTCCAAAGGCTGCAAGAGGACTGAGCGGTACAGACCCCTAAAGGGCCATAGCCCAGTGA GCAGCCTGGAGCCCTGGAGACCCACCAGCCTCACCAGCGTTGAAGCCTGAACCCAAGA TGCAAGAAGGAGGCTATGCTCAGGGGCCCTGGAGCAGCCACCCCATGCTGGCCTTGCCAC ACTCTTTCTCCTGCTTTAACCACCCCATCTGCATTCCCAGCTCTACCCTGCATGGCTGAG CTGCCACAGCAGGCCAGGTCCAGAGAGACCGAGGAGGGAGAGTCTCCCAGGGAGCATGA GAGGAGGCAGCAGGACTGTCCCCTTGAAGGAGAATCATCAGGACCTGGACCTGATACGG CTCCCCAGTACACCCACCTCTTCTTGTAAATATGATTTATACCTAACTGAATAAAAAAG CTGTTCTGTCTTCCCACCCAA AAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_002989 unedited GGNCGGACCGCGCAATCCCGGGCTCACAGACATGGCTCAGTCACTGGCTCTGAGCCTCC TTATCCTGGTTCTGGCCTTTGGCATCCCCAGGACCCAAGGCAGTGATGGAGGGGCTCAGG ACTGTTGCCTCAAGTACAGCCAAAGGAAGATCCCGCCAAGGTTGTCCGAGCTACCGGA AGCAGGAACCAAGCTTAGGCTGTCCATCCCAGCTATCCTGTTCTTGCCCCGAAGCGCT CTCAGGCAGAGCTATGTGCAGACCCAAAGGAGCTCTGGGTGCAGCAGCTGATGCAGCATC TGGACAAGACACCATCCCCACAGAAACCCAGCCAGGGCTGCAGGAAGGACAGGGGGGCCT CCAAGACTGGCAAGAAAGGAAAGGGCTCCAAGGCTGCAAGAGGACTGAGCGGTACAGA CCCTAAAGGGCCATAGCCCAAGTGCAGCAGCTGGAGCCCTGGAGACCCCAAGCCTCAC CAGCGCTTGAAGCCTGAACCAAGATGCAAGAAGGAGGCTATGCTCAGGGGCCCTGGAGC AGCCACCCCATGTGGCCTTGCCACACTTTTCTCCTGCTTTAACCAACCCCATCTGCATT CCCAGCTCTACCCTGCATGGCTGAGCTGCCACAGCAGGCCAGGTCCAGAGAGACCGAGG AGGGAGAGTCTCCAGGGAGCATGAGAGGAGGCAGCAGGACTGTCCCTTGAAGGAGAAT CATCAGGACCCTGGACCTGATACGGCTCCCCAGTACACCCACCTTTCCTTGTAAATAT GATTTATACCTAACTGAATAAAAGCTGTTCTGTCTTCCACCCAAAAAAAAAAAAAAAAAAAA C
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_002989
<b>Insert Size:</b>	900 bp
<b>OTI Disclaimer:</b>	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).
<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_002989.2</a> , <a href="#">NP_002980.1</a>
<b>RefSeq Size:</b>	878 bp
<b>RefSeq ORF:</b>	405 bp
<b>Locus ID:</b>	6366
<b>UniProt ID:</b>	<a href="#">O00585</a>
<b>Cytogenetics:</b>	9p13.3
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction

**Gene Summary:**

This antimicrobial gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. Similar to other chemokines the protein encoded by this gene inhibits hemopoiesis and stimulates chemotaxis. This protein is chemotactic in vitro for thymocytes and activated T cells, but not for B cells, macrophages, or neutrophils. The cytokine encoded by this gene may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. It is a high affinity functional ligand for chemokine receptor 7 that is expressed on T and B lymphocytes and a known receptor for another member of the cytokine family (small inducible cytokine A19). [provided by RefSeq, Sep 2014]