

Product datasheet for SC117298

LEC (CCL16) (NM_004590) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LEC (CCL16) (NM_004590) Human Untagged Clone
Tag: Tag Free
Symbol: LEC
Synonyms: CKb12; HCC-4; ILINCK; LCC-1; LEC; LMC; Mtn-1; NCC-4; NCC4; SCYA16; SCYL4
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_004590 edited
 ATGAAGGTCTCCGAGGCTGCCCTGTCTCCTTGCTCCTCATCCTTATCATTACTTCCGGCT
 TCTCGCAGCCAGCCAAAAGTTCTGAGTGGGTGAACACCCCATCCACCTGCTGCCTGAAG
 TATTATGAGAAAAGTGTGCCAAGGAGACTAGTGGTGGGATACAGAAAGGCCCTCAACTGT
 CACCTGCCAGCAATCATCTTCGTCACCAAGAGGAACCGAGAAGTCTGCACCAACCCCAAT
 GACGACTGGGTCCAAGAGTACATCAAGGATCCCAACCTACCTTTGCTGCCTACCAGGAAC
 TTGTCCACGGTAAAAATTATTACAGCAAAGAATGGTCAACCCAGCTCCTCAACTCCCAG
 TGA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_004590 unedited
 CAGAAATTTGTAATACGACTCACTTATAGGGCGGCCGCAATTTCGACCAGGAGGATGAAG
 GTCTCCGAGGCTGCCCTGTCTCCTTGCTCCTCATCCTTATCATTACTTCCGGCTTCTCGC
 AGCCAGCCAAAAGTTCTGAGTGGGTGAACACCCCATCCACCTGCTGCCTGAAGTATTAT
 GAGAAAAGTGTGCCAAGGAGACTAGTGGTGGGATACAGAAAGGCCCTCAACTGTCACCTG
 CCAGCAATCATCTTCGTCACCAAGAGGAACCGAGAAGTCTGCACCAACCCCAATGACGAC
 TGGGTCCAAGAGTACATCAAGGATCCCAACCTACCTTTGCTGCCTACCAGGAACCTGTCC
 ACGGTTAAAAATTATTACAGCAAAGAATGGTCAACCCAGCTCCTCAACTCCCAGTGATGA
 CCAGGCTTTAGTGAAGCCCTTGTTCACAGAAGAGAGGGGTAAACCTATGAAAACAGGGG
 AAGCCTTATTAGGCTGAAACTAGCCAGTCACATTGAGAGAAGCAGAACAATGATCAAAT
 AAAGGAGAAGTATTTGCAATATTTTCTCAATCTTAGGAGGAAATACCAAAGTTAAGGGAC
 GTGGGCAGAGGTACGCTCTTTATTTTTATTTTTATTTTTATTTTTTTGAGATAGGGT
 CTTACTCTGTCACCCAGGCTGGAGTGCAGTGGTGTGATCTTGGCTCACTTGATCTTGGCT
 CACTGTAACCTCCACCTCCCAGGCTCAAGTATCCTNCCACCCAGCCTNCCGAGTAGCT
 GGGACTACAGGCTTGGCCACCACCTGGNCTAATTTGTATTTTTGGTAGAGACGGNA
 TTCTACCATGNTGCCAGCTGGTCTCAAACCTCGTGTGCCAAAGCATCCACTGCCTCAG
 NCTTNCAAAGTGTNGGATACAGGCGTGAGCACCACATNCGGNGTGCCTCTTATACC
 AGAAAATTATTNACANCCTCTNCTGCCTCTTTCATNCCTACTTCACC



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004590 unedited NNTTTATACTTGNNACCGCGGCCCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTCAAACCTGGAAAATAAGGGAAGTTTTATTTATTGCATG CTGGGGTTTTGGACTAAAAGTTAACCCCTACCCGGGTCTAAAACCTTTTTTCCCTGTC CTGAAAAGCTTAACATGGGAGGAAAAAATTGGGGTCTTTTTTTTTTCTTCTTCTCTCT CTCTTTTTTTTTTTTTTCCAAAAAGGCCCTTTTTGACCCCTGCCACCCTGGGGAAAA CAAAATTTGAAAGGATCTACCAAAGTCTTTGCAAAAAGGATAAAGGGAATATTTCCCATC CGGACTTCTATAAAAAAGTTGCTTTATAAAAGGAAAAAATATTTGAAAAAATTTAAAC CCAAAAAATCCTTAAAAAGGGACGGGAAAAATCAAAAGTTTTATGGGGCTTTAAGGGG CCAAAACCCAAAGGGCAAAAATCATTTGGAAGGCTGAAAACGGGCTAAATTTAAAAAGG GCTTGGGTCTGGGGAAAGGGAGGAATTGAAAAAACAGGAAAAGGATGGAAAATATT TTTTTCTGGGAATAAAAAGGCCCTGGCCGAATGGGGGGGCTCACCCCTGAAATCCCACC ACTTTTGAAGGCTAAGGCAGGTGAATTGCTTGGCCACACAATTTAAAACACCCTGGG CAACATGAAAAATCCCCTCTCTACCAAAAACCAATATTANCCAGGTGTGGGTGGCCCA AGCCTGTANTCCCATCTCTCGGGAGGCTGGGGGGGAAGCTCACTTGANCCTGGAAGGTGG AGGTTTCAGGGACGCAAGTATCAAGGAGCCAAAAATCACACCCCTGCCTNCAGCCTGGGTG ACGAAGTAGACCTTTTCTCAAAAAATAAAATTTTANTTTAAATTTAAAAGA
Restriction Sites:	NotI-NotI
ACCN:	NM_004590
Insert Size:	1570 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).
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_004590.2</u> , <u>NP_004581.1</u>
RefSeq Size:	1497 bp
RefSeq ORF:	363 bp
Locus ID:	6360
UniProt ID:	<u>O15467</u>
Cytogenetics:	17q12
Domains:	IL8
Protein Families:	Druggable Genome, Secreted Protein

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Gene Summary: This gene is one of several cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for lymphocytes and monocytes but not for neutrophils. This cytokine also shows a potent myelosuppressive activity and suppresses proliferation of myeloid progenitor cells. The expression of this gene is upregulated by IL-10. [provided by RefSeq, Jul 2008]