

Product datasheet for **RC213256**

LD78 beta (CCL3L1) (NM_021006) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LD78 beta (CCL3L1) (NM_021006) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LD78 beta
Synonyms: 464.2; D17S1718; GOS19-2; LD78; LD78-beta(1-70); LD78BETA; MIP1AP; SCYA3L; SCYA3L1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC213256 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGTCTCCACTGCTGCCCTTGCCGTCTCCTCTGCACCATGGCTCTCTGCAACCAGGTCTCTCTG
CACCATTGCTGCTGACACGCCGACCGCCTGCTGCTTCAGCTACACCTCCCGACAGATCCACAGAATTT
CATAGCTGACTACTTTGAGACGAGCAGCCAGTGTCCAAGCCAGTGTCATCTTCTCAACCAAGAGAGGC
CGGCAGGTCTGTGCTGACCCAGTGAGGAGTGGTCCAGAAATACGTCAGTGACCTGGAGCTGAGTGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213256 protein sequence
Red=Cloning site Green=Tags(s)
MQVSTAALAVLLCTMALCNQVLSAPLAADTPTACCFSYTSRQIPQNFIAIDYFETSSQCSKPSVIFLTRKG
RQVCADPSEEWQKYVSDLELSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6555_b03.zip

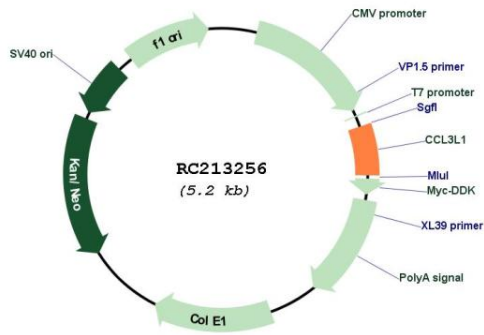
Restriction Sites: Sgfl-MluI



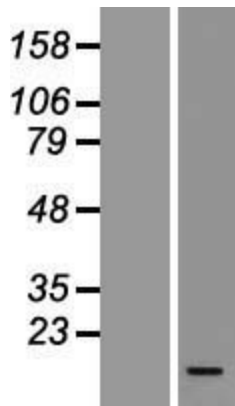
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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex 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_021006.5</u>
RefSeq Size:	805 bp
RefSeq ORF:	282 bp
Locus ID:	6349
UniProt ID:	<u>P16619</u>
Cytogenetics:	17q21.1
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
MW:	10.2 kDa
Gene Summary:	<p>This gene is one of several cytokine genes that are clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins that function in inflammatory and immunoregulatory processes. The protein encoded by this gene binds to several chemokine receptors, including chemokine binding protein 2 and chemokine (C-C motif) receptor 5 (CCR5). CCR5 is a co-receptor for HIV, and binding of this protein to CCR5 inhibits HIV entry. The copy number of this gene varies among individuals, where most individuals have one to six copies, and a minority of individuals have zero or more than six copies. There are conflicting reports about copy number variation of this gene and its correlation to disease susceptibility. This record represents one of two copies that are present on the ALT_REF_LOCI_2 alternate haplotype of the GRCh38 human reference genome assembly. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2014]</p>

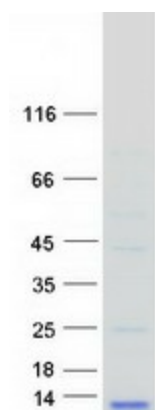
Product images:



Circular map for RC213256



Western blot validation of overexpression lysate (Cat# [LY412133]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213256 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CCL3L1 protein (Cat# [TP313256]). The protein was produced from HEK293T cells transfected with CCL3L1 cDNA clone (Cat# RC213256) using MegaTran 2.0 (Cat# [TT210002]).