

## Recombinant Human CCL3L3

**Cat. No.** CCL3L3-29222TH    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant protein, corresponding to amino acids 24-93 of Human LD78 beta precursor molecule. (A 7.7 kDa protein; including the four conserved cysteine residues present in CC chemokines).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Length</b>   | 24-93 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | <p>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. This protein 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; most individuals have 1-6 copies in the diploid genome, although rare individuals have zero or more than six copies. The human genome reference assembly contains two full copies of the gene (CCL3L3 and CCL3L1) and a partial pseudogene. This record represents the more centromeric full-length gene.</p> |
| <b>Form</b>             | Lyophilised: Reconstitute to 1mg/ml in distilled water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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|---------------------------------|---------------------------------------------------------------------------------------|
| <b>Storage buffer</b>           | Preservative: None<br>Endotoxin level is less than 0.1 ng per µg (1EU/µg).            |
| <b>Storage</b>                  | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| <b>Sequences of amino acids</b> | APLAADTPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPSV IFLTKRGRQV<br>CADPSEEWWQ KYVSDLELSA       |
| <b>Sequence Similarities</b>    | Belongs to the intercrine beta (chemokine CC) family.                                 |

## GENE INFORMATION

|                            |                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | CCL3L3 chemokine (C-C motif) ligand 3-like 3 [ Homo sapiens ]                          |
| <b>Official Symbol</b>     | CCL3L3                                                                                 |
| <b>Synonyms</b>            | CCL3L3; chemokine (C-C motif) ligand 3-like 3; C-C motif chemokine 3-like 1; MGC12815; |
| <b>Gene ID</b>             | 414062                                                                                 |
| <b>mRNA Refseq</b>         | NM_001001437                                                                           |
| <b>Protein Refseq</b>      | NP_001001437                                                                           |
| <b>MIM</b>                 | 609468                                                                                 |
| <b>Uniprot ID</b>          | P16619                                                                                 |
| <b>Chromosome Location</b> | 17q21.1                                                                                |

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|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pathway  | Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; |
| Function | chemokine activity;                                                                                                                                                                                                                                                                                                   |

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