

# Recombinant Human Chemokine (C-C Motif) Ligand 4-like 1 , His-tagged

**Cat. No.** CCL4L1-170H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human CCL4L1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer(24-92 aa). |
| <b>Species</b>          | Human                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 24-92 aa                                                                                                                                                                                                                    |
| <b>Description</b>      | CCL4L1 (C-C motif chemokine 4-like) belongs to intercrine beta (chemokine CC) family. This protein is similar to CCL4 which inhibits HIV replication in peripheral blood monocytes that express CCR5.                       |
| <b>Form</b>             | Liquid. In 10mM sodium citrate (pH 3.5), 10% glycerol                                                                                                                                                                       |
| <b>Molecular Weight</b> | 10.5kDa (94aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)                                                                                                                                     |
| <b>Purity</b>           | > 90% by SDS - PAGE                                                                                                                                                                                                         |
| <b>Concentration</b>    | 0.5mg/ml (determined by Bradford assay)                                                                                                                                                                                     |
| <b>Endotoxin Level</b>  | < 1.0 EU per 1 µg of protein (determined by LAL method )                                                                                                                                                                    |

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|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSGLVPRGSH MGSHMAPMGS DPPTACCFSY TARKLPRNFV<br>VDYYETSSLC SQPAVVFQTK RGKQVCADPS ESWVQEYVYD LELN                                                                                                                                                                                                                                                                           |
| <b>Storage</b>                  | Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                |
| <b>GENE INFORMATION</b>         |                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Gene Name</b>                | <a href="#">CCL4L1 chemokine (C-C motif) ligand 4-like 1 [ Homo sapiens ]</a>                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>                 | chemokine (C-C motif) ligand 4-like 1; LAG1; CCL4L; LAG-1; CCL4L2; SCYA4L; AT744.2; CCL4L1; C-C motif chemokine 4-like; MIP-1-beta; macrophage inflammatory protein-1b2; lymphocyte activation gene 1 protein; macrophage inflammatory protein 1-beta; monocyte adherence-induced protein 5-alpha; small inducible cytokine A4-like; chemokine (C-C motif) ligand 4-like; MIP-1-beta |
| <b>Gene ID</b>                  | <a href="#">9560</a>                                                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>              | <a href="#">NM_001001435</a>                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>           | <a href="#">NP_001001435</a>                                                                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>                      | <a href="#">603782</a>                                                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>               | <a href="#">Q8NHW4</a>                                                                                                                                                                                                                                                                                                                                                               |
| <b>Chromosome Location</b>      | 17q12                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Pathway</b>                  | Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-                                                                                                                                                                                                                        |

specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; IL12-mediated signaling events, organism-specific biosystem

**Function**

chemokine activity

