

## Recombinant Human CCL14, His-tagged

**Cat. No.** CCL14-167H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human CCL14 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.                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | CCL14, also known as Chemokine (C-C motif) ligand 14, is member of a superfamily of inducible, secreted, proinflammatory cytokines. It has weak activities on human monocytes and acts via receptors that also recognize MIP-1 $\alpha$ . It also enhances the proliferation of CD34 myeloid progenitor cells. The processed form of CCL14, designated HCC-1(9-74), is a chemotactic factor that attracts monocytes, eosinophils and T cells and is a ligand for CCR1, CCR3 and CCR5. |
| <b>Form</b>             | Liquid. In Phosphate Buffered Saline pH7.4 containing 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Weight</b> | 10.9 kDa (95aa) confirmed by MALDI-TOF.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 95% by SDS - PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>    | 0.5 mg/ml (determined by Bradford assay).                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Endotoxin Level</b>  | < 1.0 EU per 1 $\mu$ g of protein (determined by LAL method).                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|                                 |                                                                                                                                                                                                                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sequences Of Amino Acids</b> | MGSSHHHHHH SSGLVPRGSH MTKTESSSRG PYHPSECCFT YTTYKIPRQR<br>IMDYYETNSQ CSKPGIVFIT KRGHSVCTNP SDKWVQDYIK DMKEN.                                                                                                                                                                                                         |
| <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>Pathways</b>                 | Cytokine-cytokine receptor interaction                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b>         |                                                                                                                                                                                                                                                                                                                      |
| <b>Gene Name</b>                | CCL14 chemokine (C-C motif) ligand 14 [ Homo sapiens ]                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>                 | OTTHUMP00000176860; SCYA14; SY14; SCYL2; NCC-2; NCC2; CKb1; MCIF; CC-1; CC-3; CCL14; HCC-1; HCC-1(1-74); HCC-1/HCC-3; chemokine (C-C motif) ligand 14; chemokine CC-1; HCC-3; chemokine CC-3; Chemokine CC-1/CC-3; FLJ16015; Small-inducible cytokine A14; small inducible cytokine subfamily A (Cys-Cys), member 14 |
| <b>Gene ID</b>                  | 6358                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>              | NM_032963                                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>           | NP_116739                                                                                                                                                                                                                                                                                                            |
| <b>MIM</b>                      | 601392                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>               | Q16627                                                                                                                                                                                                                                                                                                               |
| <b>Chromosome Location</b>      | 17q11.2                                                                                                                                                                                                                                                                                                              |

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**Function**

chemokine activity; protein binding; signal transducer activity

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