

Rev04  
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**DATASHEET**

# HCC-4/CCL16, Human(CHO-expressed)

Cat. No.: Z03236

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<b>CCL16 (Gln24-Gln120)</b> Accession # O15467
<b>Purity</b>	> 98% as analyzed by SDS-PAGE
<b>Endotoxin Level</b>	< 0.2 EU/μg of protein by gel clotting method
<b>Biological Activity</b>	The EC <sub>50</sub> value of human HCC-4/CCL16 on Ca <sup>2+</sup> mobilization assay in CHO-K1/Ga15/hCCR1 cells (human Ga15 and human CCR1 stably expressed in CHO-K1 cells) is less than 1.5 μg/ml.
<b>Expression System</b>	CHO
<b>Theoretical Molecular Weight</b>	11.2 kDa
<b>Apparent Molecular Weight</b>	~12 kDa, on SDS-PAGE under reducing conditions.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O or PBS up to 100 μg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

## Background

**Target Background :** Human HCC4, also named NCC4 and Chemokine (C-C motif) ligand 16 (CCL16) is a small cytokine belonging to the CC chemokine family that is known under several pseudonyms, including Liver-expressed chemokine (LEC) and Monotactin-1 (MTN-1). It can signal through the CCR8 and CCR1 receptors, and it is chemotactic towards monocytes and lymphocytes but not neutrophils. HCC-4 is expressed weakly by some lymphocytes, including NK cells, T cells, and some T cell clones. The expression of HCC-4 in monocytes is greatly up-regulated in the presence of IL-10. HCC-4 induces a calcium flux in thp-1 cells that are desensitized prior to the expression of RANTES.

**Synonyms :** HCC-4; CCL-16

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.