

## Product Datasheet

# Recombinant HCC-4/CCL16, Human (CHO-expressed) (orb1494729)

<b>Description</b>	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. Recombinant human HCC-4/CCL16 produced in CHO cells is a single non-glycosylated polypeptide chain containing 97 amino acids. A fully biologically active molecule, rhHCC-4/CCL16 has a molecular mass of 12 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.
<b>Endotoxins</b>	< 0.2 EU/μg, determined by LAL method.
<b>Preservatives</b>	Lyophilized after extensive dialysis against PBS.
<b>Form/Appearance</b>	Lyophilized after extensive dialysis against PBS.
<b>Storage</b>	Lyophilized recombinant human HCC-4/CCL16 remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, human HCC-4/CCL16 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only
<b>Application notes</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 μg/ml.
<b>Protein Sequence</b>	QPKVPEWVNTPTCCCLKYYEKVLPRLVVGYRKALNCHLPALIFVTKRNREVCTNPNDWV QEYIKDPNLPLLPTRNLST VKIITAKNGQPQLLSQ
<b>Purity</b>	> 98% as analyzed by SDS-PAGE.
<b>Source</b>	CHO

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**MW** 12 kDa, observed by reducing SDS-PAGE.

**Expiration Date** 6 months from date of receipt.

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