

## Product datasheet

# Synthetic Human CCL18 protein (Biotin) ab176061

### Description

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<b>Product name</b>	Synthetic Human CCL18 protein (Biotin)
<b>Expression system</b>	Synthetic
<b>Accession</b>	<a href="#">P55774</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Synthetic
<b>Species</b>	Human
<b>Sequence</b>	AQVGTNKELC CLVYTSWQIP QKFMDYSET SPQCPKPGVI LLTKRGRQIC ADPNKKWVQK YSDLK(Linker-Cys-Biotin)LNA
<b>Predicted molecular weight</b>	9 kDa
<b>Amino acids</b>	21 to 89
<b>Additional sequence information</b>	Mature protein. Linker used is 8-amino-3,6-dioxaoctanoic acid.
<b>Conjugation</b>	Biotin

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab176061** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	HPLC
<b>Form</b>	Lyophilised
<b>Additional notes</b>	Biotin incorporated at indicated position in a molar ratio of biotin:peptide of 1:1.

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Information available upon request.
<b>Reconstitution</b>	It is recommended vials be centrifuged prior to opening. Water can be used to prepare stock solutions of 20 µmol.L-1. Stock solutions with up to 30% DMSO/water can also be prepared.

## General Info

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<b>Function</b>	Chemotactic factor that attracts lymphocytes but not monocytes or granulocytes. May be involved in B-cell migration into B-cell follicles in lymph nodes. Attracts naive T-lymphocytes toward dendritic cells and activated macrophages in lymph nodes, has chemotactic activity for naive T-cells, CD4+ and CD8+ T-cells and thus may play a role in both humoral and cell-mediated immunity responses.
<b>Tissue specificity</b>	Expressed at high levels in lung, lymph nodes, placenta, bone marrow, dendritic cells present in germinal centers and T-cell areas of secondary lymphoid organs and macrophages derived from peripheral blood monocytes. Not expressed by peripheral blood monocytes and a monocyte-to-macrophage differentiation is a prerequisite for expression. Expressed in synovial fluids from patients with rheumatoid and septic arthritis and in ovarian carcinoma ascitic fluid.
<b>Sequence similarities</b>	Belongs to the intercrine beta (chemokine CC) family.
<b>Cellular localization</b>	Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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