

## Product datasheet

# Synthetic Human MCP1 protein (Biotin) ab176087

### Overview

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<b>Product name</b>	Synthetic Human MCP1 protein (Biotin)
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Synthetic
<b>Source</b>	Synthetic
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">P13500</a>
<b>Species</b>	Human
<b>Sequence</b>	Pyr- PDAINAPVTCCYNFTNRKISVQRLASYRRITSSKCPKEA VIFKTV AKEICADPKQKWWQDSMDHLDKQTQTPK(Linker- Biotin)T
<b>Molecular weight</b>	9 kDa
<b>Amino acids</b>	25 to 99
<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 **ab176087** 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.
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**Reconstitution**

It is recommended vials be centrifuged prior to opening. Water can be used to prepare stock solutions of 20 µmol.L<sup>-1</sup>. Stock solutions with up to 30% DMSO/water can also be prepared.

**General Info**

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**Function**

Chemotactic factor that attracts monocytes and basophils but not neutrophils or eosinophils. Augments monocyte anti-tumor activity. Has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis or atherosclerosis. May be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosis.

**Sequence similarities**

Belongs to the intercrine beta (chemokine CC) family.

**Post-translational modifications**

Processing at the N-terminus can regulate receptor and target cell selectivity. Deletion of the N-terminal residue converts it from an activator of basophil to an eosinophil chemoattractant.

**Cellular localization**

Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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