

Product datasheet

Recombinant human MCP3 protein ab202795

Description

Product name	Recombinant human MCP3 protein	
Biological activity	Fully biologically active when compared to standard. Determined by its ability to chemoattract human peripheral blood monocytes using a concentration range of 10.0-100.0 ng/mL.	
Purity	> 97 % SDS-PAGE. Purity is determined by SDS-PAGE and HPLC analyses.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	P80098	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	QPVGINTSTT CCYRFINKKI PKQRLESYRR TTSSHCPREA VIFKTKLDKE ICADPTQKWV QDFMKHLDKK TQTPKL	
Predicted molecular weight	9 kDa	
Amino acids	24 to 99	
Additional sequence information	This product is for the mature full length protein without the signal peptide.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab202795** in the following tested applications.

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

Applications	Functional Studies
	HPLC
	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon reconstitution add a carrier protein (0.1% BSA). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
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pH: 7.40

Constituents: 0.87% Sodium chloride, 99% Phosphate Buffer

Lyophilized from a 0.2 µm filtered concentrated solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

Reconstituted protein should be stored in working aliquots and stored at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

General Info

Function	Chemotactic factor that attracts monocytes and eosinophils, but not neutrophils. Augments monocyte anti-tumor activity. Also induces the release of gelatinase B. This protein can bind heparin. Binds to CCR1, CCR2 and CCR3.
Sequence similarities	Belongs to the intercrine beta (chemokine CC) family.
Post-translational modifications	O-glycosylated.
Cellular localization	Secreted.

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

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