

**BACKGROUND:**

Monocyte Chemoattractant Protein 3 (MCP-3), also called CCL7, is produced by macrophages and some tumor cell lines. MCP-3 signals through three different G protein-coupled receptors, CCR1, CCR2, and CCR3. CCL7 chemoattracts monocytes and can regulate macrophage function.

Recombinant mouse MCP-3 is a non-glycosylated protein, containing 74 amino acids and having a molecular mass of 8.5 kDa.

**Cat. No.:**  
RP3007

**Alternate Names:**  
CCL7, MARC

**AA Sequence:**

QPDGTNSSTC	CYVKKQKIPK	RNLKSYRKIT
SSRCPWEAVI	FKTKKGMEVC	AEAHQKWVEE
AIAYLDMKTS	TPKP	

**TECHNICAL INFO**

**Source:**  
*E. coli*

**Physical Appearance:**  
Sterile Filtered white lyophilized (freeze-dried) powder.

**Formulation:**  
0.1% Trifluoroacetic Acid (TFA)

**Stability:**  
Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

**Reconstitution:**  
Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/mL, which can be further diluted into other aqueous solutions.

**Protein Content and Purity determined by:**

- UV spectroscopy at 280 nm.
- RP-HPLC calibrated against a known standard.
- Quantitation against a known standard via reducing and non-reducing SDS-PAGE gels.

**Endotoxin Level:**  
Endotoxin level, as measured by LAL analysis, is <0.01ng/ug or <0.1EU/ug.

