

MCP-3/CCL7, rat recombinant

CATALOG #:	4230-10	10 µg
	4230-1000	1 mg
ALTERNATE NAMES:	CCL7, MARC	
SOURCE:	E.Coli	
PURITY:	≥97% by SDS – PAGE, HPLC, UV spectroscopy	
MOL. WEIGHT:	8.6 kDa.	
ENDOTOXIN CONTENT:	Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein	
FORM:	Lyophilized	
FORMULATION:	Lyophilized without additives.	

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 a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

STORAGE CONDITIONS: 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.

DESCRIPTION: Monocyte Chemoattractant Protein 3 (MCP-3), also called CCL7, is chemokine 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 rat MCP-3 is a non-glycosylated protein, containing 75 amino acids, with a molecular weight of 8.6 kDa.

BIOLOGICAL ACTIVITY: The activity is determined by the ability to chemoattract human monocytes or THP-1 cells at 1-100 ng/mL.

AMINO ACID SEQUENCE: MQPDGNTSSST CCYVKKQKIP KRNLKSYRKI TSSRCPWEAV
IFKTKKGMEV CAEAHQKWVE EAIAYLDMKT STPKP

RELATED PRODUCTS:

- MCP-1 (MCAF), human recombinant (**Cat. No. 4222-20, -100, -1000**)
- MCP-1 (MCAF), rat recombinant (**Cat. No. 4224-10, -1000**)
- MCP-2, human recombinant (**Cat. No. 4225-10, -1000**)
- MCP-2, murine recombinant (**Cat. No. 4226-10, -1000**)
- MCP-3, human recombinant (**Cat. No. 4228-10, -1000**)
- MCP-3, murine recombinant (**Cat. No. 4229-10, -1000**)
- MCP-4, human recombinant (**Cat. No. 4231-10, -1000**)
- MCP-5, murine recombinant (**Cat. No. 7168-10, -50**)

FOR RESEARCH USE ONLY! Not to be used in humans.