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Datasheet for ABIN988135 CCL7 Protein

Overview

Quantity:	1 mg
Target:	CCL7
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Sequence:	QPVGINTSTT CCYRFINKKI PKQRLESYRR TTSSHCPREA VIFKTKLDKE ICADPTQKWV QDFMKHLDKK TQTPK
Characteristics:	Fully biologically active when compared to standard. The ED50 determined by a chemotaxis bioassay using human monocytes is less than 80 ng/ml, corresponding to a specific activity of $>, 1.3 \times 10^4$ IU/mg.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/ μ g of rHuMCP-3/CCL7 as determined by LAL method

Target Details

Target:	CCL7
Alternative Name:	MCP-3/CCL7 (CCL7 Products)
Background:	MCP2 and CCL7 are two monocyte chemotactic proteins produced by human MG63 osteosarcoma cells. Both MCP2 and CCL7 are members of the CC family of chemokines and share 62% and 71% amino acid sequence identity, respectively, with MCP1. CCL7 also shares

Target Details

58% amino acid identity with MCP2. Similarly to other CC chemokines, all three MCP proteins are monocyte chemoattractants. In addition, the three MCPs can chemoattract activated NK cells as well as CD4+ and CD8+ T lymphocytes. All three cytokines have also been shown to attract eosinophils and induce histamine secretion from basophils. Synonym: MCP-3/CCL7, Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.

Molecular Weight: 9.0 kDa, a single, non-glycosylated polypeptide chain containing 76 amino acids.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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.

Storage: 4 °C