

C10/CCL6

Catalog # PVGS1220

Product Information

Primary Accession P27784
Species Mouse

Sequence Gly22-Ala116

Purity > 97% as analyzed by SDS-PAGE

> 97% as analyzed by HPLC

Endotoxin Level

Biological Activity Fully biologically active when compared to standard. The biologically active

determined by a chemotaxis bioassay using human CCR1 transfected murine

BaF3 cells is in a concentration range of 10.0-100.0 ng/ml.

Expression System E. coli

Theoretical Molecular Weight 10.7 kDa

Formulation Lyophilized from a 0.2 Im filtered solution in 20 mM Tris, pH 8.0, 500 mM

NaCl.

Reconstitution It is recommended that this vial be briefly centrifuged prior to opening to

bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a

concentration of 0.1-1.0 mg/ml.

Storage & Stability Upon receiving, this product remains stable for up to 6 months at -70°C or

-20°C. Upon reconstitution, the product should be stable for up to 1 week at

4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID 20305

Other Names C-C motif chemokine 6, Protein C10, Small-inducible cytokine A6, CCL6(22-95),

CCL6(23-95), Ccl6, C10 {ECO:0000303 | PubMed:1832565}, Scya6

Target Background Chemokine (C-C motif) ligand 6 (CCL6) is a small cytokine belonging to the CC

chemokine family that has only been identified in rodents. Murine C10 is expressed in myelopoietic bone marrow cultures when stimulated with GM-CSF, M-CSF, IL-3 or IL-4. It signals primarily through the CCR1 receptor. C10 is chemotactic for B cells, CD4⁺ T cells, monocytes and NK cells and also exhibits powerful suppressive activity on colony formation by different lineages of hematopoietic progenitors. The C10 contains the four highly

conserved cysteine residues present in CC chemokines.

Protein Information

Name Ccl6

Synonyms C10 {ECO:0000303 | PubMed:1832565}, Scya6

Function Chemotactic factor that attracts mostly macrophage, but it can also attract B

cells, CD4(+) lymphocytes and eosinophils.

Cellular Location Secreted.

Tissue Location Expressed in myelopoietic bone marrow cultures stimulated by GM-CSF.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.