

DCIP-1/CXCL3
Catalog # PVGS1136**Specification**

DCIP-1/CXCL3 - Product Information

Primary Accession [Q6W5C0](#)
Species
Mouse

Sequence
Ala28-Ser100

Purity
> 97% as analyzed by SDS-PAGE
> 97% as analyzed by HPLC

Endotoxin Level
< 1 EU/ µg of protein by LAL method

Biological Activity
Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human CXCR2 transfected human 293 cells is in a concentration range of 10.0-100.0 ng/ml.

Expression System
E. coli

Theoretical Molecular Weight
7.9 kDa

Formulation **Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.4.**

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.

DCIP-1/CXCL3 - Additional Information

Gene ID 330122

Other Names
C-X-C motif chemokine 3, Dendritic cell inflammatory protein 1, Cxcl3
{ECO:0000312|MGI:MGI:3037818}

Target Background

Dendritic cell inflammatory protein-1 (DCIP-1)/CXCL3 is also known as MIP2 β (macrophage inflammatory protein 2 beta), or DCIP1 (dendritic cell inflammatory protein-1) in mouse, CINC2 (cytokine-induced neutrophil attractant 2) in rat, and GRO γ (growth regulated oncogene gamma) in humans. It is an 8 kDa proinflammatory member of the CXC subfamily of heparin-binding chemokines, also called alpha chemokines. Mature mouse CXCL3 shares 88% and 57% amino acid (aa) sequence identity with rat and human CXCL3, respectively.

DCIP-1/CXCL3 - Protein Information

Name Cxcl3 {ECO:0000312|MGI:MGI:3037818}

Function

Ligand for CXCR2. Has chemotactic activity for neutrophils. May play a role in inflammation and exert its effects on endothelial cells in an autocrine fashion.

Cellular Location

Secreted {ECO:0000250|UniProtKB:Q10746}.

DCIP-1/CXCL3 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DCIP-1/CXCL3 - Images