

DCIP-1/CXCL3
Catalog # PVGS1439**Specification**

DCIP-1/CXCL3 - Product Information

Primary Accession [Q6W5C0](#)
Species
Mouse

Sequence
Ala28-Ser100

Purity
> 98% as analyzed by SDS-PAGE

Endotoxin Level
< 0.2 EU/ µg of protein by gel clotting method

Biological Activity
The EC₅₀ value of mouse DCIP-1/CXCL3 on Ca²⁺ mobilization assay in CHO-K1/Ga15/mCXCR2 cells (human Ga15 and mouse CXCR2 stably expressed in CHO-K1 cells) is less than 100.0 ng/ml.

Expression System
CHO

Formulation **Lyophilized after extensive dialysis against PBS.**

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 ddH₂O or PBS up to 100 µg/ml.

Storage & Stability
Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. 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
Chemokine (C-X-C motif) ligand 3 (CXCL3) is a small cytokine belonging to the CXC chemokine family that is also known as DCIP-1 (dendritic cell inflammatory protein-1) or MIP2b. CXCL3

controls migration and adhesion of monocytes and mediates its effect on its target cell by interacting with cell surface chemokine receptor CXCR2. It has been shown that CXCL3 regulates the migration of precursors of cerebellar granule neurons toward the internal layers of cerebellum, during morphogenesis.

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