

DCIP-1/CXCL3

Catalog # PVGS1136

Product Information

Primary Accession Species	Q6W5C0 Mouse
Sequence	Ala28-Ser100
Purity	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
Endotoxin Level 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 Reconstitution	Lyophilized from a 0.2 μ m filtered solution in PBS, pH 7.4. 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	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 (cytokineinduced 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 heparinbinding chemokines, also called alpha chemokines. Mature mouse CXCL3 shares 88% and 57% amino acid (aa) sequence identity with rat and human CXCL3, respectively.

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}.

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