

DATASHEET
Version 20181206**DCIP-1/CXCL3, Mouse****Cat. No.:** Z02905-1**Size:** 1.0 mg**Synonyms:** DCIP-1 Murine; CXCL3 Murine**Description:**

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.

Amino Acid Sequence:

00001 AVVASELRQ CLNTLPRVDF ETIQSLTVTP PGPHTQTEV
00041 IATLKDGQEV CLNPQGPRQLQ IIAKKILKSG KSS

Source: *E. coli***Species:** Mouse

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 10-100 ng/ml.

Molecular Weight: Approximately 7.9 kDa, a single, non-glycosylated polypeptide chain containing 73 amino acids.

Formulation: Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4.

Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Purity: > 97 % by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1 EU/ μ g of rMuDCIP-1/CXCL3 as determined by LAL method.

Storage: This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles.