

Datasheet for ABIN2017731 **CXCL3 Protein**



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CXCL3
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	AVVASELRCQ CLNTLPRVDF ETIQSLTVTP PGPHTCTQTEV IATLKDGQEV CLNPQGPRQLQ IIKKILKSG KSS
Characteristics:	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.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Sterility:	0.2 µm filtered
Endotoxin Level:	< 1 EU/µg of rMuDCIP-1/CXCL3 as determined by LAL method.

Target Details

Target:	CXCL3
Abstract:	CXCL3 Products
Background:	Dendritic cell inflammatory protein-1 (DCIP-1)/CXCL3 is also known as MIP2 beta (macrophage

Target Details

inflammatory protein 2 beta), or DCIP1 (dendritic cell inflammatory protein-1) in mouse, CINC2 (cytokineinduced neutrophil attractant 2) in rat, and GRO gamma (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.

Synonyms: DCIP-1 Murine, CXCL3 Murine

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

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Autophagy](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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 $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

Buffer: Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: $4^{\circ}\text{C}/-20^{\circ}\text{C}$

Storage Comment: This lyophilized preparation is stable at $2-8^{\circ}\text{C}$, 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 $2-8^{\circ}\text{C}$. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C .