

**ChemWhat** Recombinant Murine Dendritic Cell Inflammatory  
A brand under Watson  
**Protein-1/CXCL3**  
**(rMuDCIP-1/CXCL3)**

**ChemWhat Technical Data Sheet (TDS)**

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| <b>Catalog Number:</b>          | 221-03   |
| <b>Source:</b>                  | <i>Escherichia coli</i> .  |
| <b>Molecular Weight:</b>        | Approximately 7.9 kDa, a single, non-glycosylated polypeptide chain containing 73 amino acids.   |
| <b>Quantity:</b>                | 2µg /10µg /1000µg  |
| <b>AA Sequence:</b>             | AVVASELRCQ CLNTLPRVDF ETIQSLTVTP PGPHTQTEV IATLKDGQEV CLNPQGPRLQ<br>IIKKILKSG KSS  |
| <b>Purity:</b>                  | > 97 % by SDS-PAGE and HPLC analyses.  |
| <b>Biological Activity:</b>     | 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.  |
| <b>Physical Appearance:</b>     | Sterile Filtered White lyophilized (freeze-dried) powder.  |
| <b>Formulation:</b>             | Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.   |
| <b>Endotoxin:</b>               | Less than 1 EU/µg of rMuDCIP-1/CXCL3 as determined by LAL method.  |
| <b>Reconstitution:</b>          | 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. |
| <b>Shipping:</b>                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.  |
| <b>Stability &amp; Storage:</b> | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"><li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li><li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li><li>● 3 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul>  |
| <b>Usage:</b>                   | ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. <b>NOT FOR HUMAN USE.</b>   |

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***Murine Dendritic Cell Inflammatory Protein-1/CXCL3***

CXCL3, also known as DCIP1 in murine, CINC2 in rat, and GRO $\gamma$  in humans, is belonging to the CXC chemokine family. It is encoded by the gene CXCL3 in mouse. The functional receptor for CXCL3 has been identified as CXCR2. Similar to other GRO proteins, CXCL3 is potent neutrophil attractants and activators. CXCL3 plays a role in inflammation and exert its effects on endothelial cells in an autocrine fashion. The amino acid sequence of murine CXCL3 is 57 % identical to human CXCL3.