

## Cxcl2

### Recombinant Rat MIP-2/ CXCL2

<b>Catalog No.</b>	CS513A CS513B CS513C	<b>Quantity:</b>	5 µg 25 µg 1 mg
<b>Alternate Names:</b>	Chemokine (C-X-C motif) ligand 2, Macrophage inflammatory protein 2, GRO-beta		
<b>Description:</b>	<p>Rat MIP-2/ CXCL2 is expressed by cytokine stimulated rat alveolar macrophages and fibroblasts. CXCL2 is a member of the alpha (CXC) subfamily of chemokines. CXCL2 is known to be a potent chemotactic factor for rat neutrophils <i>in vitro</i> and <i>in vivo</i>. It is involved in the pulmonary inflammatory response, is expressed at sites of inflammation and may suppress hematopoietic progenitor cell proliferation.</p> <p>Recombinant Rat MIP-2/ CXCL2 is a single, non-glycosylated polypeptide chain containing 73 amino acids.</p>		
<b>Gene ID:</b>	114105		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	7.9 kDa		
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4		
<b>Purity:</b>	> 98% by SDS-PAGE and HPLC		
<b>Endotoxin Level:</b>	< 1 EU/µg as determined by LAL method.		
<b>Biological Activity:</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> determined by a chemotaxis bioassay using rat neutrophils is in the concentration range of 10-100 ng/ml.		
<b>Amino Acid Sequence:</b>	VVVASELRQC CLTTLPRVDF KNIQSLTVTP PGPHCAQTEV IATLKDGHEV CLNPEAPLVQ RIVQKILNKG KAN		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	<p>This lyophilized preparation is stable at 2-8°C, but should be kept desiccated at -20°C for long term storage.</p> <p>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 -80°C. <b>Avoid repeated freeze/thaw cycles.</b></p>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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