

# Recombinant Rat Cytokine-induced Neutrophil Chemoattractant 3/CXCL2

Catalog No: #AP60365

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Package Size: #AP60365-1 5ug #AP60365-2 100ug #AP60365-3 500ug

## Description

Product Name	Recombinant Rat Cytokine-induced Neutrophil Chemoattractant 3/CXCL2
Host Species	Escherichia coli.
Purification	> 98 % by SDS-PAGE and HPLC analyses.
Other Names	MIP-2
Uniprot	P30348
GeneID	114105
Calculated MW	Approximately 7.9 kDa, a single, non-glycosylated polypeptide chain containing 73 amino acids.
Target Sequence	VVASELRQC CLTTLPRVDF KNIQSLTVTP PGPHCAQTEV IATLKDGHEV CLNPEAPLVQ RIVQKILNKG KAN
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

## Background

Rat CXCL2 also named CINC-3, belongs to the CXC chemokine family. It is encoded by the gene CXCL2 and shares 90 % amino acid sequence with CXCL1/GROβ. It is member of the intercrine alpha (chemokine C-X-C) subfamily of chemokines. This chemokine is expressed by cytokine-stimulated rat alveolar macrophages and fibroblasts. The functional receptor for CXCL2 has been identified as CXCR2. CXCL2 is chemotactic for polymorphonuclear leukocytes and hematopoietic stem cells. Similar to other GRO proteins, CXCL2 is potent neutrophil attractants and activators. In addition, it is also active toward basophils. The amino acid sequence of rat CXCL2 is 88 % identical to murine CXCL2.

Note: This product is for in vitro research use only