

# Recombinant Rat Cytokine-induced Neutrophil Chemoattractant 1/CXCL1

Catalog No: #AP60364

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Package Size: #AP60364-1 5ug #AP60364-2 100ug #AP60364-3 500ug

## Description

Product Name	Recombinant Rat Cytokine-induced Neutrophil Chemoattractant 1/CXCL1
Host Species	Escherichia coli.
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Other Names	GRO-alpha, Platelet-derived Growth Factor-inducible Protein KC
Uniprot	P14095
GeneID	81503
Calculated MW	Approximately 7.8 kDa, a single, non-glycosylated polypeptide chain containing 72 amino acids.
Target Sequence	APVANELRCQ CLQTVAGIHF KNIQSLKVMP PGPHTCTQTEV IATLKNGREA CLDPEAPMVQ KIVQKMLKGV PK
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
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 CXCL1, also known as CINC-1, is belonging to the CXC chemokine family. It is encoded by the GRO gene now designated CXCL1. It was originally purified from media conditioned by IL-1 $\beta$  stimulated rat kidney epithelioid cells. CINC-1 is member of the intercrine alpha (chemokine C-X-C) subfamily of chemokines. CXCL1 is secreted by human melanoma cells, and also expressed by macrophages, neutrophils and epithelial cells. The functional receptor for CXCL1 has been identified as CXCR2. CXCL1 has chemotactic activity for neutrophils, and plays a role in inflammation and wound healing. Amino acid sequence of rat CXCL1 is approximately 68 % identical to the human CXCL1.

Note: This product is for in vitro research use only