

Recombinant Murine Macrophage Inflammatory Protein-2/CXCL2

Catalog No: #AP60330

Package Size: #AP60330-1 5ug #AP60330-2 100ug #AP60330-3 500ug

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Description

Product Name	Recombinant Murine Macrophage Inflammatory Protein-2/CXCL2
Host Species	Escherichia coli.
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Uniprot	P10889
GeneID	20310
Calculated MW	Approximately 7.8 kDa, a single, non-glycosylated polypeptide chain containing 73 amino acids.
Target Sequence	AVVASELRQC CLKTLPRVDF KNIQSLSVTP PGPHCAQTEV IATLKGGQKV CLDPEAPLVQ KIIQKILNKG KAN
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

Murine CXCL2, also named MIP-2, is belonging to the CXC chemokine family. It is encoded by the gene CXCL2. CXCL2 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 secreted from a murine macrophage cell line. 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 murine CXCL2 is 60 % identical to human CXCL2.

Note: This product is for in vitro research use only