# Recombinant Human GRO gamma (CXCL3)

**Cat No:HR2R1475**

For research use only

## Overview

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|---|---|
| Quantity | 10 ?g |
| Gene Symbol | CXCL3 |
| Gene ID | N/A |
| Accession | P19876 |
| Alternative Name | C-X-C motif chemokine 3, GRO-gamma(1-73), Growth-regulated protein gamma, GRO-gamma, Macrophage inflammatory protein 2-beta, MIP2-beta<br/>Recombinant Human Growth Regulated Oncogene Gamma (CXCL3) |
| Species | Human |
| Source | E. coli |
| Description | Growth regulated oncogene-gamma belongs to the family of chemotyctic cytokines called chemokines. It is identical with MGSA (melanoma growth stimulatory activity) and the new designation is CXCL3. This factor is known mainly because of its chemotactic activity. GRO expression is inducible by serum or PDGF and/or by a variety of inflammatory mediators, such as IL-1 and TNF, in monocytes, fibroblasts, melanocytes and epithelial cells. In certain tumor cell lines, GRO is expressed constitutively. Similar to other alpha chemokines, the three GRO proteins are potent neutrophil attractants and activators. In addition, these chemokines are also active toward basophils. All three GROs can bind with high affinity to the IL-8 receptor type B. |
| Functions | Determined by its ability to chemoattract 293 transfected CXCR2 cells using a concentration range of 10-100 ng/mL. |
| Formulation | Recombinant GRO-gamma/CXCL3 was lyophilized from a 0.2 ?m filtered concentrated (1.0 mg/mL) solution in 40 mM NaCl, 10 mM PB, pH 7.0. |
| Solubility | A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers. |
| Appearance | Lyophilized Powder |
| Molecular Weight | 8 |
| Purity | >95% as determined by SDS-PAGE |
| Concentration | <1.0 EU/?g of recombinant protein as determined by the LAL method. |
| Shipping Condition | Ambient Temperature |
| Storage Condition | The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |