

CXCL3

Recombinant Human CXCL3/MIP2-beta/GRO gamma

Catalog No.	CRG504A	Quantity:	2 µg
	CRG504B		10 µg
	CRG504C		1.0 mg

Alternate Names: CINC-2b, GRO3, GROg, MGSA gamma, MIP-2b, SCYB3

Description: The three GRO cDNAs encode 107 amino acid precursor proteins from which the N-terminal 34 amino acid residues are cleaved to generate the mature GROs. There are no potential N-linked glycosylation sites in the amino acid sequences. 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.
Recombinant Human GRO-gamma is a single non-glycosylated polypeptide chain containing 73 amino acids.

Gene ID: 2921

Protein Accession No: P19876

Source: *E. coli*

Molecular Weight: 7.9 kDa

Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20 mM PB, pH 7.4 + 50mM NaCl.

Purity: >97% by HPLC and SDS-PAGE

Endotoxin Level: Less than 1EU/µg of rHuGRO-γ/CXCL3 as determined by LAL method.

Biological Activity: Determined by its ability to chemoattract CXCR2 transfected 293 cells using a concentration range of 10.0-100.0 ng/mL.

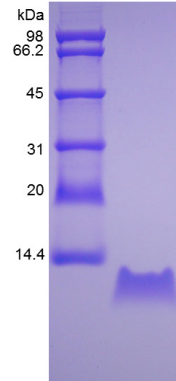
Amino Acid Sequence: ASVVTELRCQ CLQTLQGIHL KNIQSVNVRS PGPHCAQTEV IATLKNGKKA
CLNPASPMVQ KIIEKILNKG STN

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**



SDS-PAGE



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