

Product: **Recombinant Human GRO γ (MIP-2 β) (CXCL3)**
Cat #: 300-126P
Powder

Description	Growth Regulated Proteins (GRO) are a group of three proteins, GRO- α , - β and - γ , that are encoded by three distinct genes. All 3 GRO proteins can bind to the same receptors, but with differing affinities, and stimulate a number of biological responses including chemotaxis, angiogenesis, and growth regulation. More specifically, GRO γ (also called CXCL3), can act through chemokine receptor CXCR2 to promote monocyte migration and adhesion. Alternate names: MIP-2 β , CXCL3, GRO3
MW	Non-glycosylated protein, containing 73 amino acids, with a molecular weight of 7.9 kDa.
Physical Appearance	Sterile filtered white lyophilized (freeze-dried) powder.
Source	<i>E. coli</i>
Formulation	Recombinant human GRO γ is lyophilized from 10 mM Na ₂ PO ₄ , pH 7.5.
Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.
Stability	Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.
Biological Activity	The activity is determined by the ability to chemoattract human neutrophils at concentrations between 10-100 ng/mL.
Endotoxin Level	Measured by kinetic LAL analysis and is typically \leq 1 EU/ μ g protein.
AA Sequence	ASVVTELRQC CLQTLQGIHL KNIQSVNVRS PGPHCAQTEV IATLKNKGKA CLNPASPMVQ KIIKILNKG STN

Purity greater than 98% determined by HPLC, Reducing and Non-reducing SDS-PAGE.

Protein content determined by HPLC, Reducing and Non-reducing SDS-PAGE.

THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!