

32-12103: Human GRO-alpha (CXCL1)

Gene : CXCL1
Gene ID : 2919
Uniprot ID : P09341
Alternative Name : GRO, GRO1, GROA, MGSA, SCYB1

Description

Source: Genetically modified E.coli.

Predicted MW: Monomer, 7.9 kDa (73 aa)

Growth regulated protein alpha (GRO-alpha), also known as CXCL1, is a chemokine that has mitogenic properties and is a neutrophil chemoattractant. GRO-alpha is secreted by macrophages, epithelial cells, neutrophils, and melanomas. GRO-alpha signals through the CXCR2 chemokine receptor and is important during spinal cord formation, inflammation, angiogenesis, tumorigenesis, and wound healing.

Product Info

Amount : 25 µg / 100 µg
Purification : Reducing and Non-Reducing SDS PAGE at $\geq 95\%$
Content : Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Sterile water at 0.1 mg/mL
Storage condition : Store at -20°C
Amino Acid : ASVATELRQC CLQTLQGIHP KNIQSVNVKS PGPHCAQTEV IATLKNGRKA CLNPASPIVK KIEKMLNSD KSN

Application Note

Endotoxin: Less than $0.1 \text{ ng}/\mu\text{g}$ ($1 \text{ IEU}/\mu\text{g}$) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



