

Product: GRO-Alpha/MGSA (CXCL1), human, recombinant
Catalog #: 11-GRO-AH
Amount: 5 µg

DESCRIPTION: Recombinant Human GRO-alpha produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 73 amino acids and having a molecular mass of 7811 Dalton. rHuGRO-Alpha is purified by proprietary chromatographic techniques.
The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Ser-Val-Ala-Thr.

SOURCE: *Escherichia coli* expression system

MOLECULAR WEIGHT: 7.8 kDa

PURITY: > 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuGRO-Alpha.

DIMERS & AGGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm.
2. Analysis by RP-HPLC, using a standard solution of GRO-Alpha as a Reference Standard.

FORM: Purified.

CONCENTRATION: 0.1 mg/ml

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rHuGRO-Alpha is fully biologically active when compared to standard. The Biological activity is calculated by its ability to chemoattract human neutrophils cells using a conc. of 10.0-50.0 ng/ml.

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.