Recombinant human GRO alpha/CXCL1 protein

Catalog Number: CXC0901

PRODUCT INFORMATION

Expression system
E.coli

Domain
35-107aa

UniProt No.
P09341

NCBI Accession No.
NP_001502

Alternative Names
SCYB1, Neutrophil-activating protein 3, NAP-3, MGSA, Melanoma growth stimulatory activity, Growth-regulated alpha protein, GRO-alpha(1-73), GROA, GRO1 oncogene, GRO1, GRO, FSP, Fibroblast secretory protein, C-X-C motif chemokine ligand 1

PRODUCT SPECIFICATION

Molecular Weight
10.1 kDa (94aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
CXCL1/GROa is a growth factor for melanoma cells and a chemotaxin for neutrophils. Similar to other alpha chemokines, this protein is potent neutrophil attractant and activator and is also active toward basophils. In

Recombinant human GRO alpha/CXCL1 protein

Catalog Number: CXC0901

addition, CXCL1 protein may be a therapeutic target as well as a diagnostic marker in ovarian cancer. Recombinant CXCL1 protein was expressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

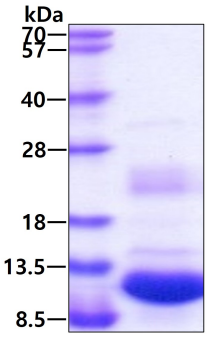
<MGSSHHHHHH SSGLVPRGSH> MASVATELRC QCLQTLQGIH PKNIQSVNVK SPGPHCAQTE VIATLKNGRK ACLNPASPIV KKIIEKMLNS DKSN

General References

Kawanishi H, et al. (2008) Clin Cancer Res., 2579-87
Yang HT, et al. (2008) Cell Signal, 375-80
Yang G, et al. (2006) Proc Natl Acad Sci u S A, 16472-7

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.