Recombinant human GRO beta/CXCL2 protein

Catalog Number: ATGP0299

PRODUCT INFORMATION

Expression system
E.coli

Domain
35-107aa

UniProt No.
P19875

NCBI Accession No.
NP_002080

Alternative Names
C-X-C motif chemokine ligand 2, C-X-C motif chemokine 2, Growth-regulated protein beta, Gro-beta, GRO2, GROB, MIP2A, SCYB2, GRO2 oncogene, Macrophage inflammatory protein 2-alpha, MIP2-alpha ,MGSA-b, CINC-2a

PRODUCT SPECIFICATION

Molecular Weight
10.1 kDa (94aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0)

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
CXCL2 is a small cytokine belonging to the CXC chemokine family that is also known as Chemokine (C-X-C motif) ligand 2, and macrophage inflammatory protein 2-alpha (MIP2-alpha). CXCL2 is secreted by activated monocytes, neutrophils and macrophages and expressed at sites of inflammation. CXCL2 is chemotactic for

polymorphonuclear leukocytes and hematopoietic stem cells and suppresses hematopoietic progenitor cell proliferation. Recombinant human CXCL2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

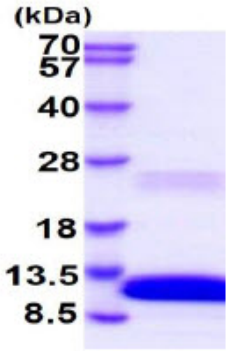
<MGSSHHHHHH SSGLVPRGSH M>APLATELRC QCLQTLQGIH LKNIQSVKVK SPGPHCAQTE VIATLKNGQK ACLNPASPMV KKIIEKMLKN GKSN

General References

Wolpe SD., et al. (1989). Proc Natl Acad Sci u S A. 86(2):612-6.
Jerva LF., et al. (1997). Protein Sci. 6(8):1643-52.
Pelus LM., et al. (2006). Exp Hematol. 34(8):1010-20.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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