ARG70423
Human CXCL2 / MIP2 recombinant protein (Active) (His-tagged, N-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (N-ter) Active Human CXCL2 / MIP2 recombinant protein
Tested Application	SDS-PAGE
Target Name	CXCL2 / MIP2
Species	Human
A.A. Sequence	Ala35 - Asn107
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to chemoattract human PBMCs using a concentration range of 10.0 - 100.0 ng/mL. Note: Results may vary from different PBMC donors.
Alternate Names	CXCL2; C-X-C Motif Chemokine Ligand 2; SCYB2; CINC-2a; MIP-2a; MGSA-B; GROb; GRO2; Macrophage Inflammatory Protein 2-Alpha; Chemokine (C-X-C Motif) Ligand 2

Properties

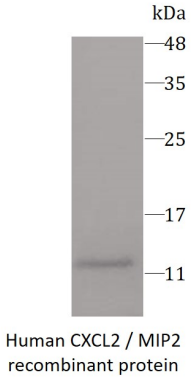
Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CXCL2
Gene Full Name	C-X-C Motif Chemokine Ligand 2
Background	This antimicrobial gene is part of a chemokine superfamily that encodes secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CXC subfamily, is expressed at sites of inflammation and may suppress hematopoietic progenitor cell proliferation.
Function	Produced by activated monocytes and neutrophils and expressed at sites of inflammation. Hematoregulatory chemokine, which, in vitro, suppresses hematopoietic progenitor cell proliferation. GRO-beta(5-73) shows a highly enhanced hematopoietic activity.

PTM	Disulfide bond
Cellular Localization	Secreted

Images



Human CXCL2 / MIP2 recombinant protein

ARG70423 Human CXCL2 / MIP2 recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70423 Human CXCL2 / MIP2 recombinant protein (Active) (His-tagged, N-ter)