ARG70427
Human CXCL6 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 CXCL6 recombinant protein
Tested Application	SDS-PAGE
Target Name	CXCL6
Species	Human
A.A. Sequence	Val40 - Asn114
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED50 for this effect is < 10 ng/mL
Alternate Names	CXCL6; C-X-C Motif Chemokine Ligand 6; GCP-2; CKA-3; Granulocyte Chemotactic Protein 2; SCYB6; Small Inducible Cytokine Subfamily B (Cys-X-Cys), Member 6 (Granulocyte Chemotactic Protein 2)

Properties

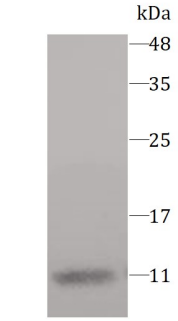
Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate 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	CXCL6
Gene Full Name	C-X-C Motif Chemokine Ligand 6
Background	The protein encoded by this gene is a member CXC chemokine family. The encoded protein is a chemotactic for neutrophil granulocytes and has antibacterial action against gram-negative and gram-positive bacteria. This gene and other members of the CXC chemokine gene family form a gene cluster in a region of chromosome 4q.
Function	Chemotactic for neutrophil granulocytes. Signals through binding and activation of its receptors (CXCR1 and CXCR2). In addition to its chemotactic and angiogenic properties, it has strong antibacterial activity against Gram-positive and Gram-negative bacteria (90-fold-higher when compared to CXCL5 and CXCL7).

PTM	Disulfide bond
Cellular Localization	Secreted

Images



ARG70427 Human CXCL6 recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70427 Human CXCL6 recombinant protein (Active) (His-tagged, N-ter)