

ARG70426
Human CXCL5 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 CXCL5 recombinant protein
Tested Application	SDS-PAGE
Target Name	CXCL5
Species	Human
A.A. Sequence	Arg45 - 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	CXCL5; C-X-C Motif Chemokine Ligand 5; ENA-78; SCYB5; Small Inducible Cytokine Subfamily B (Cys-X-Cys), Member 5 (Epithelial-Derived Neutrophil-Activating Peptide 78); Epithelial-Derived Neutrophil-Activating Protein 78; Neutrophil-Activating Peptide ENA-78

Properties

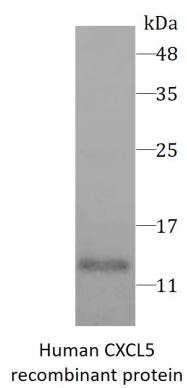
Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate 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	CXCL5
Gene Full Name	C-X-C Motif Chemokine Ligand 5
Background	This gene encodes a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils, to promote angiogenesis and to remodel connective tissues. This protein is thought to play a role in cancer cell proliferation, migration, and invasion.
Function	Involved in neutrophil activation. In vitro, ENA-78(8-78) and ENA-78(9-78) show a threefold higher chemotactic activity for neutrophil granulocytes.

PTM	Disulfide bond
Cellular Localization	Secreted

Images



ARG70426 Human CXCL5 recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70426 Human CXCL5 recombinant protein (Active) (His-tagged, N-ter)