

ARG70447

Pig CXCL10 / IP10 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 Pig CXCL10 / IP10 recombinant protein
Tested Application	SDS-PAGE
Target Name	CXCL10 / IP10
Species	Pig
A.A. Sequence	Pro23 - Ala104
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 < 4 ng/mL.
Alternate Names	CXCL10; C-X-C Motif Chemokine Ligand 10; IP-10; GIP-10; SCYB10; IFI10 ; Crg-2; Mob-1; INP10; C7

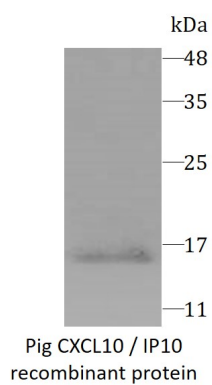
Properties

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	CXCL10
Gene Full Name	C-X-C Motif Chemokine Ligand 10
Background	This antimicrobial gene encodes a chemokine of the CXC subfamily and ligand for the receptor CXCR3. Binding of this protein to CXCR3 results in pleiotropic effects, including stimulation of monocytes, natural killer and T-cell migration, and modulation of adhesion molecule expression. This gene may also be a key regulator of the 'cytokine storm' immune response to SARS-CoV-2 infection.
Function	Pro-inflammatory cytokine that is involved in a wide variety of processes such as chemotaxis, differentiation, and activation of peripheral immune cells, regulation of cell growth, apoptosis and modulation of angiostatic effects.
PTM	Citrullination, Disulfide bond

Images



ARG70447 Pig CXCL10 / IP10 recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70447 Pig CXCL10 / IP10 recombinant protein (Active) (His-tagged, N-ter)