

ARG70442

Mouse CXCL10 / IP10 recombinant protein (Active) (His-tagged, N-ter)

Package: 100 µg, 20 µg

Store at: -20°C

Summary

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|---------------------|---|
| Product Description | E. coli expressed, His-tagged (N-ter) Active Mouse CXCL10 / IP10 recombinant protein |
| Tested Application | SDS-PAGE |
| Target Name | CXCL10 / IP10 |
| Species | Mouse |
| A.A. Sequence | Pro23 - Pro98 |
| Expression System | E. coli |
| Activity | Active |
| Activity Note | Determined by its ability to chemoattract BaF3 cells transfected with human CXCR3. The ED50 for this effect is < 0.2 µg/mL. |
| Alternate Names | CXCL10; C-X-C Motif Chemokine Ligand 10; IP-10; GIP-10; SCYB10; IFI10 ; Crg-2; Mob-1; INP10; C7 |

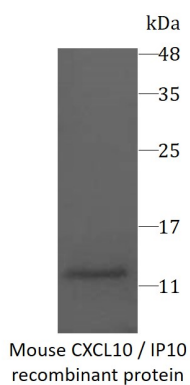
Properties

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|---------------------|---|
| 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

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|----------------|--|
| 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



ARG70442 Mouse CXCL10 / IP10 recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70442 Mouse CXCL10 / IP10 recombinant protein (Active) (His-tagged, N-ter)