

ARG70156 Mouse IL4 recombinant protein (Active) (His-tagged, C-ter)

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

Summary

| | |
|---------------------|---|
| Product Description | E. coli expressed, His-tagged (C-ter) Active Mouse IL4 recombinant protein |
| Tested Application | SDS-PAGE |
| Target Name | IL4 |
| Species | Mouse |
| A.A. Sequence | Hls21 - Ser140 |
| Expression System | E. coli |
| Activity | Active |
| Alternate Names | BSF-1; IL-4; B-cell stimulatory factor 1; BCGF1; Lymphocyte stimulatory factor 1; BCGF-1; Interleukin-4; Pitratkina; Binetrakin; BSF1 |

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

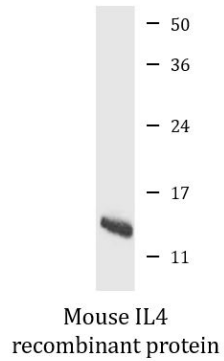
| | |
|----------------|--|
| Gene Symbol | IL4 |
| Gene Full Name | interleukin 4 |
| Background | The protein encoded by this gene is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008] |
| Function | Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of |

the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes. [UniProt]

Cellular Localization

Secreted. [UniProt]

Images



ARG70156 Mouse IL4 recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70156 Mouse IL4 recombinant protein (Active) (His-tagged, C-ter).