ARG70160
Mouse IL9 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 Mouse IL9 recombinant protein
Tested Application	SDS-PAGE
Target Name	IL9
Species	Mouse
A.A. Sequence	Gln19 - Pro144
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce proliferation in MO7e cells. The ED50 for this effect is 5 x 10^6 IU/mg.
Alternate Names	IL-9; HP40; Interleukin-9; T-cell growth factor P40; Cytokine P40; P40

Properties

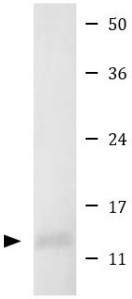
Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	>98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate 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	IL9
Gene Full Name	interleukin 9
Background	The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness. [provided by RefSeq, Jul 2008]
Function	Supports IL-2 independent and IL-4 independent growth of helper T-cells. [UniProt]

Cellular Localization	Secreted. [UniProt]

Images



Mouse IL9 recombinant protein

ARG70160 Mouse IL9 recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70160 Mouse IL9 recombinant protein (Active) (His-tagged, N-ter).