

Recombinant human IL-4 protein (Active, HEK293)

Catalog Number: bs-48026P

Concentration: >0.5 mg/ml

Species: Human

AA Seq: 25-153/153

Predicted MW: 14-19 kDa

Tags: Tag free

Activity: Yes

Endotoxin: <0.5 EU/μg as determined by LAL.

Purity: >95% as determined by SDS-PAGE

Purification: AC

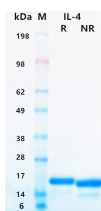
Form: Lyophilized

Storage: Lyophilized from 0.22μm filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -80°C under sterile conditions after reconstitution.

Background: Interleukin 4 (IL-4) is a 14-19kDa glycosylated monomer, belongs to the IL-4 / IL-13 family. IL-4 is primarily expressed by Th2biased CD4+ T cells, mast cells, basophils, and eosinophils. IL-4 is a pleiotropic cytokine that participates in at least several B-cell activation processes as well as of other cell types. It is a co-stimulator of DNAsynthesis. 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.

VALIDATION IMAGES



The purity of the protein is greater than 95% as determined by reduced and non reduced SDS-PAGE.