

## IL 9 Human, HEK

**Description:**IL-9 Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 38-48kDa due to glycosylation. The IL9 is purified by proprietary chromatographic techniques.

**Catalog #:**CYPS-106

**Synonyms:**P40, HP40, T-cell growth factor p40, IL-9, P40 cytokine.

For research use only.

**Source:**HEK.

**Physical Appearance:**Sterile Filtered White lyophilized (freeze-dried) powder.

**Purity:**Greater than 95% as observed by SDS-PAGE.

**Formulation:**

The IL9 was lyophilized from 1mg/ml in 1xPBS.

**Stability:**

Lyophilized IL-9 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL9 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized IL-9 in sterile water not less than 100

**Introduction:**

Factor that is thought to be a regulator of hematopoiesis. It has been shown to enhance the growth of human mast cells and megakaryoblastic leukemic cells as well as murine helper t-cell clones. IL-9 is a glycoprotein with a molecular weight of 32-39 that is derived from T-cells, and maps to human chromosome 5.

**Biological Activity:**

The specific activity was determined by the dose-dependent stimulation of the proliferation of human MO7e cells (human megakaryoblastic leukemia cell line) and is typically 0.03-0.2ng/ml.

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