

Datasheet for ABIN6700172

**IL-9 Protein****1** Image[Go to Product page](#)

## Overview

Quantity:	10 µg
Target:	IL-9 (IL9)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

## Product Details

Purpose:	IL-9 Recombinant Human Protein
Purification:	Purity was determined to be greater than 98% as determined by analysis by RP-HPLC and by reducing and non-reducing SDS- PAGE, against known standard.
Purity:	98,00%
Endotoxin Level:	Measured by LAL is < 0.01 ng/µg or < 0.1 EU/µg protein.
Biological Activity Comment:	IL-9 is fully biologically active when compared to a standard. The ED50 as determined by the dose-dependent proliferation of human MO7e cells is < 0.5 ng/ml.

## Target Details

Target:	IL-9 (IL9)
Alternative Name:	IL9 ( <a href="#">IL9 Products</a> )
Background:	Synonyms: Interleukin 9 cytokine, IL-9 Background: Interleukin (IL-9) is known to regulate many cell types involved in T- helper type 2

## Target Details

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responses classically associated with asthma, including B- and T- lymphocytes, mast cells, eosinophils and epithelial cells. Growing evidence obtained from human genomic analysis and antigen-challenged transgenic mice suggests that IL-9 is a candidate factor in immunoglobulin E (IgE) production and thus is thought to be associated with bronchial inflammation and bronchial hyperresponsiveness (BHR). Recombinant Human IL-9 produced in E.coli is a single, non-glycosylated single polypeptide chain containing 127 amino acids and having a molecular mass of 14,004 Daltons.

UniProt: [Q6NZ75](#)

Pathways: [JAK-STAT Signaling](#)

## Application Details

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Application Notes: Other: User Optimized  
Application\_Note: IL-9 protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-IL-9 in immunological assays.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitution\_Buffer: Restore with deionized water (or equivalent)  
Reconstitution\_Volume: 10 µL (10-100 µL)

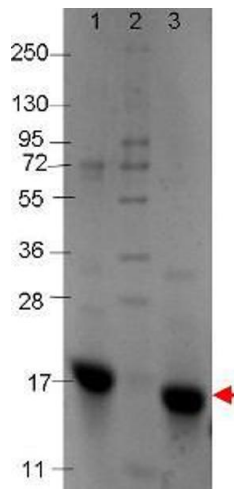
Buffer: Buffer: 0.01 M Sodium Phosphate, pH 7.5  
Stabilizer: None

Preservative: Without preservative

Storage: 4 °C, -20 °C

Storage Comment: Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL) . For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Expiry Date: 6 months



### SDS-PAGE

**Image 1.** IL-9 Human Recombinant Protein - SDS-PAGE. SDS-PAGE shows bands corresponding to IL-9 (1 $\mu$ g) in lane 1 (reduced) and lane 3 (non-reduced, arrowhead). Molecular weight estimation was made by comparison to prestained MW markers, lane 2.