

Datasheet for ABIN6961138

**IL-5 Protein (His tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL-5 (IL5)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-5 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human IL5 protein with C-terminal 6xHis tag
Specificity:	IL5 (Ile20-Ser134) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	IL-5 (IL5)
Alternative Name:	IL5 ( <a href="#">IL5 Products</a> )
Background:	Synonyms: IL-5, TRF, Interleukin-5, EDF Description: This gene encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. The encoded cytokine plays a major role in the regulation of

## Target Details

eosinophil formation, maturation, recruitment and survival. The increased production of this cytokine may be related to pathogenesis of eosinophil-dependent inflammatory diseases. This cytokine functions by binding to its receptor, which is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene is located on chromosome 5 within a cytokine gene cluster which includes interleukin 4 (IL4), interleukin 13 (IL13), and CSF2. This gene, IL4, and IL13 may be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31.

**Molecular Weight:** predicted molecular mass of 13.94 kDa after removal of the signal peptide. The apparent molecular mass of IL5-His is 15-25 kDa due to glycosylation.

**Gene ID:** 3567

**UniProt:** [P05113](#)

**Pathways:** [JAK-STAT Signaling](#), [Positive Regulation of Peptide Hormone Secretion](#), [Production of Molecular Mediator of Immune Response](#), [Feeding Behaviour](#)

## Application Details

**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

**Reconstitution:** Reconstitute with deionized water

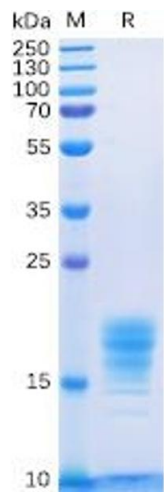
**Buffer:** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

**Preservative:** Without preservative

**Storage:** -20 °C, -80 °C

**Storage Comment:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

**Expiry Date:** 12 months



SDS-PAGE

**Image 1.** Human IL5 Protein, His Tag on SDS-PAGE under reducing condition.