

Datasheet for ABIN7505793

IL-5 Protein (AA 1-132) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL-5 (IL5)
Protein Characteristics:	AA 1-132
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-5 protein is labelled with His tag.

Product Details

Sequence:	Met1-Val132
Characteristics:	A DNA sequence encoding the Rat IL-5 protein (Q08125) (Met1-Val132) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	IL-5 (IL5)
Alternative Name:	IL-5 (IL5 Products)
Background:	Abbreviation: IL-5 Target Synonym: Interleukin-5,IL-5,B-cell growth factor II,BCGF-II,Cytotoxic T-lymphocyte inducer,Eosinophil differentiation factor,T-cell replacing factor,TRF,IL5 Background: Interleukin 5 (IL-5) is a member of the interleukin family. Interleukins are a group of

Target Details

cytokines (secreted proteins/signaling molecules) that were first seen to be expressed by white blood cells (leukocytes) and has been found in a wide variety of body cells. Interleukin 5 or IL-5 is produced by T helper-2 cells and mast cells. It helps to stimulate B cell growth and increase immunoglobulin secretion and is considered a key mediator in eosinophil activation. Interleukin 5 (IL-5) has long been associated with several allergic diseases, including allergic rhinitis and asthma. Growth in the number of circulating, airway tissue, and induced sputum eosinophils have been observed in patients with these diseases. IL-5 also had something with the terminally differentiated granulocyte eosinophils. IL-5 was originally found as an eosinophil colony-stimulating factor. It has been proved to be a major regulator of eosinophil accumulation in tissues and can modulate eosinophil behavior at every stage from maturation to survival.

Molecular Weight: Calculated MW: 14.41 kDa
Observed MW: 25 kDa

UniProt: [Q08125](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months