



Datasheet for ABIN7320883

IL-5 Protein (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	IL-5 (IL5)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Interleukin-5/IL-5 (C-6His)
Sequence:	Met21-Gly133
Characteristics:	Recombinant Mouse Interleukin-5 is produced by our Mammalian expression system and the target gene encoding Met21-Gly133 is expressed with a 6His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IL-5 (IL5)
Alternative Name:	Interleukin-5/IL-5 (IL5 Products)
Background:	Background: IL-5 is expressed in eosinophils, NK cells, TC2 CD8+ T cells, mast cells, CD45+ CD4+ T cells, gamma delta T cells and IL-1 beta activated endothelial cells. IL-5 acts as a growth and differentiation factor for both B cells and eosinophils. Relative to B cells, IL-5

Target Details

appears to induce the differentiation of activated conventional B-2 cells into Ig-secreting cells. In addition, it induces the growth of B-1 progenitors as well as IgM production by B-1 cells. IL-5 appears to perform a number of functions on eosinophils. These include the down modulation of Mac-1, the upregulation of receptors for IgA and IgG, the stimulation of lipid mediator (leukotriene C4 and PAF) secretion and the induction of granule release. IL-5 also promotes the growth and differentiation of eosinophils.

Synonym: Prolactin, PRL

Molecular Weight: 13.9 kDa

UniProt: [P04401](#)

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

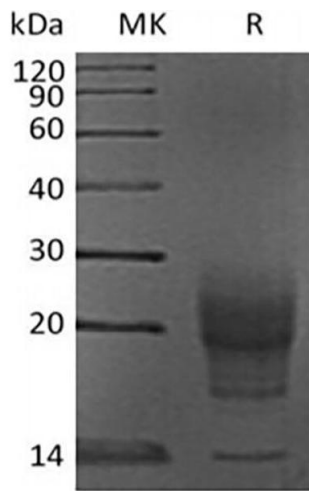
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

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.



Western Blotting

Image 1.