Datasheet for ABIN7536245

IL-9 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	IL-9 (IL9)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-9 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Rat IL-9 Protein
Sequence:	QRCSTSWGIQ HTSYLIENLK DDPSSKCSCS ANVTSCLCLP IPSDDCTTPC FQEGMSQVTN ATQQSKFSPF FFRVKRIVET LKSNKCQFFS CEKPCNQTTA GNTVSFLKSL LKTFQKTEVQ VQRSRA
Specificity:	Gln19-Ala144
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg
Biological Activity Comment:	Measured in a cell proliferation assay using MC/9-2 mouse mast cells. The ED_{50} for this effect is 8.02-32.1 ng/mL.

Target Details

Target:	IL-9 (IL9)
Alternative Name:	IL-9 (IL9 Products)
Background:	Description: IL-9 is a pleiotropic cytokine that influences various distinct functions of different target cells such as T cells, B cells, mast cells and airway epithelial cells by activating STAT1, STAT3 and STAT5. Because of its pleiotropic functions, IL-9 has been demonstrated to be involved in several diseases, such as cancer, autoimmunity and other pathogen-mediated immune-regulated diseases. Name: IL9
Gene ID:	116558
UniProt:	D4A8I9
Pathways:	JAK-STAT Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.