Recombinant Rat interleukin 4 Protein, His&Flag tagged

Cat. No. Il4-156R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat IL-4 protein (P20096) (Cys 25-Ser 147) with both His, Flag tag at the C-terminus was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	25-147aa
Description	Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes. Positively regulates IL31RA expression in macrophages. Stimulates autophagy in dendritic cells by interfering with mTORC1 signaling and through the induction of RUFY4.
Tag	C-His&Flag
Molecular Mass	15.1 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

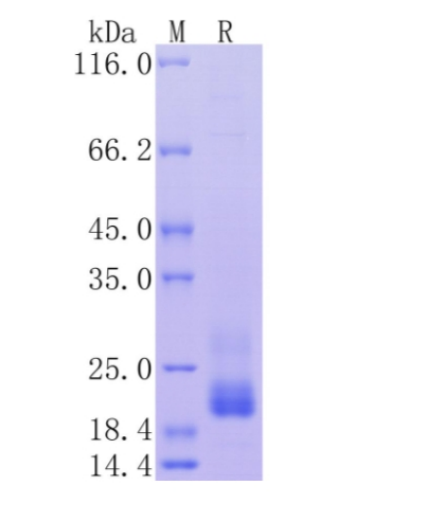
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Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.

GENE INFORMATION

Gene Name	Il4 interleukin 4 [Rattus norvegicus]
Official Symbol	Il4
Synonyms	IL4; interleukin 4; interleukin-4; IL-4; BSF-1; B-cell growth factor 1; B-cell stimulatory factor 1; lymphocyte stimulatory factor 1; B-cell IGG differentiation factor; Il4e12;
Gene ID	287287
mRNA Refseq	NM_201270
Protein Refseq	NP_958427
UniProt ID	P20096

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Protein on SDS-PAGE under reducing (R) condition.	

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