

Recombinant Rat interleukin 4 Protein, His&Flag tagged

Cat. No. II4-156R 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](#)

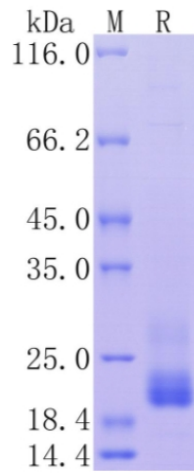
UniProt ID [P20096](#)

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



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