

Active Recombinant Rat IL4 protein, His-tagged

Cat. No. IL4-2702R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL4 protein(Cys25-Ser147), fused with C-terminal His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	25-147 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	Measured in a cell proliferation assay using TF-1 Human erythroleukemic cells. The ED50 for this effect is 0.65-2.6 µg/mL, corresponding to a specific activity of $3.85 \times 10^2 \sim 1.54 \times 10^3$ units/mg.
Molecular Mass	14.60 kDa
Endotoxin	< 0.01 EU/µg of the protein by LAL method
Purity	≥ 90% as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name IL4 interleukin 4 [*Rattus norvegicus*]

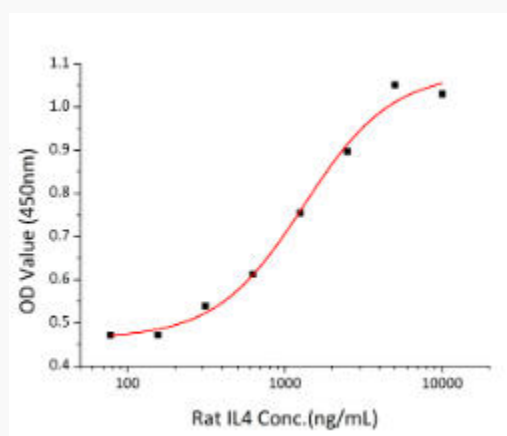
Official Symbol IL4

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

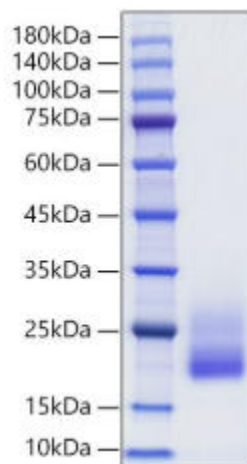
Activity


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SDS-PAGE



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