

Active Recombinant Human IL4 Protein

Cat. No. IL4-0804H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL4 Protein(P05112-1) (His 25-Ser 153) was expressed and purified in E.coli.
Species	Human
Source	E.coli
ProteinLength	25-153 aa
Form	Lyophilized from a 0.2 µ filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 0.2 ng/ml, corresponding to a specific activity of $> 5.0 \times 10^6$ IU/mg.
Molecular Mass	Approximately 15.0 kDa, a single non-glycosylated polypeptide chain containing 129 amino acids.
AASequence	HKCDITLQEI IKTLNSLTEQ KTLCTELTVT DIFAASKNTT EKETFCRAAT VLRQFYSHHE KDTRCLGATA QQFHRHKQLI RFLKRLDRNL WGLAGLNSCP VKEANQSTLE NFLERLKTIM REKYSKCSS
Endotoxin	Less than 1.0 EU/g of rHuIL-4 as determined by LAL method.
Purity	> 98 % by SDS-PAGE and HPLC analyses.

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Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C.

GENE INFORMATION

Gene Name [IL4 interleukin 4 \[Homo sapiens \]](#)

Official Symbol [IL4](#)

Synonyms IL4; interleukin 4; interleukin-4; B cell growth factor 1; B_cell stimulatory factor 1; BCGF 1; BCGF1; BSF1; IL 4; lymphocyte stimulatory factor 1; MGC79402; binetrakin; pitrakinra; IL-4; BSF-1; BCGF-1;

Gene ID [3565](#)

mRNA Refseq [NM_000589](#)

Protein Refseq [NP_000580](#)

MIM [147780](#)

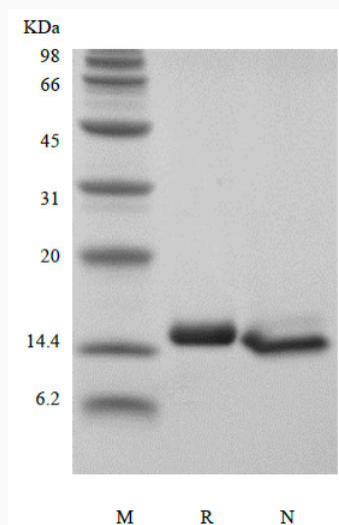
UniProt ID [P05112](#)

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SDS-PAGE



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