

Active Recombinant Human IL4 protein

Cat. No. IL4-120H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL4 protein (His25-Ser153) was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	His 25 - Ser 153
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Human IL-4, premium grade stimulates proliferation of TF-1 cells. The specific activity of Human IL-4, premium grade is > 1.010 ⁷ IU/mg, which is calibrated against human IL4 WHO International Stand (NIBSC code: 88/656).
Molecular Mass	The protein has a calculated MW of 15.0 kDa. The protein migrates as 15 kDa and 19 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

This product is stable after storage at:

-20 centigrade to -70 centigrade for 12 months in lyophilized state;

-70 centigrade for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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