

Interleukin-4 Active Protein | IL 4 active protein

Recombinant Human Interleukin-4

CATALOG #
AAA38110

HOST
E Coli

PRODUCT SYNONYMS

Interleukin-4; Recombinant Human Interleukin-4; IL 4 Human; Interleukin-4 Human Recombinant; BCGF; BCDF; B cell stimulating factor; BSF-1; Lymphocyte stimulatory factor 1; IL-4; MGC79402; Binetrakin; Pitratkinra; IL 4 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered concentrated (1mg/ml) solution in PBS, pH 7.4.
Sequence	HKCDITLQEI IKTLSLSEQ KTLCTELTVT DIFAASKNTT EKETFCRAAT VLRQFYSHHE KDTRCLGATA QQFHRHKQLI RFLKRLDRNL WGLAGLNSCP VKEANQSTLE NFLERLKTIM REKYSKCSS
Sequence Length	153
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder
Solubility	It is recommended to reconstitute the lyophilized Interleukin-4 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Protein Content	Protein quantitation was carried out by two independent methods: 1: UV spectroscopy at 280 nm using the absorbency value of 0.594 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2: Analysis by RP-HPLC, using a standard solution of IL-4 as a Reference Standard.
Biological Activity	The ED50 as determined by the dose-dependant stimulation of TF-1 cells is < 0.2 ng/ml, corresponding to a Specific Activity of 5,000,000 IU/mg.
Preparation and Storage	Lyophilized Interleukin-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IL4 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL 4 active protein	Description: Interleukin-4 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 129 amino acids and having a molecular mass of 15kDa. The IL-4 is purified by proprietary chromatographic techniques.
Product Categories/Family for IL 4 active protein	Cytokines and Growth Factors ; Cytokines ; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504669
NCBI GeneID	3565
NCBI Accession #	NP_000580.1

NCBI GenBank Nucleotide #	NM_000589.3
UniProt Accession #	P05112 ; Q14630 ; Q6NZ77
NCBI Official Full Name	interleukin-4 isoform 1
NCBI Official Synonym Full Names	interleukin 4
NCBI Official Symbol	IL4
NCBI Official Synonym Symbols	BSF1; IL-4; BCGF1; BSF-1; BCGF-1
NCBI Protein Information	interleukin-4; B cell growth factor 1; B_cell stimulatory factor 1; binetrakin; interleukin 4 variant 2; lymphocyte stimulatory factor 1; pitrakinra
UniProt Protein Name	Interleukin-4
UniProt Gene Name	IL4
UniProt Synonym Gene Names	IL-4; BSF-1
UniProt Entry Name	IL4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-il-4-active-protein/interleukin-4/38110>