

Interleukin-4 Active Protein | mL 4 active protein

Recombinant Mouse Interleukin-4

CATALOG #
AAA38143

HOST
E Coli

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um concentrated (1mg/ml) solution in PBS pH 7.4. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MHIHGCDKNH LREIIGILNE VTGEGTPCTE MDVPNVLTAT KNTTESELVC RASKVLRIFY LKHGKTPCLK KNSSVLMELQ RLFRAFRCLD SSISCTMNES KSTSLKDFLE SLKSIMQMDY S
Sequence Length	140
Biological Activity	The ED50 as determined by the dose-dependant induction of HT-2 cell proliferation is less than 2 ng/ml corresponding to a Specific Activity of 500,000IU/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 mL 4 active protein	Description: Interleukin-4 Mouse Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 120 amino acids and having a molecular mass of 13500 Dalton. The IL-4 is purified by proprietary chromatographic techniques. Introduction: Interleukin-4 is a pleiotropic cytokine produced primarily by activated T lymphocytes, basophils and mast cells. Multiple immune response-modulating functions are performed by IL-4 on a variety of cell types and it has an important role in the regulator of isotype switching, induction of IgE production in B lymphocytes and differentiation of precursor T helper cells. IL-4 binds to both membrane-bound and secreted soluble IL-4 receptors.
Product Categories/Family for mL 4 active protein	Cytokines and Growth Factors ; Cytokines ; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	10946584
NCBI GeneID	16189
NCBI Accession #	NP_067258.1
NCBI GenBank Nucleotide #	NM_021283.2
UniProt Accession #	P07750

Molecular Weight	15,834 Da
NCBI Official Full Name	interleukin-4
NCBI Official Synonym Full Names	interleukin 4
NCBI Official Symbol	IL4
NCBI Official Synonym Symbols	IL-4; BSF-1
NCBI Protein Information	interleukin-4; B-cell IgG differentiation factor; B-cell growth factor 1; B-cell stimulatory factor 1; IGG1 induction factor; lymphocyte stimulatory factor 1
UniProt Protein Name	Interleukin-4
UniProt Gene Name	IL4
UniProt Synonym Gene Names	IL-4; IL-4; BSF-1
UniProt Entry Name	IL4_MOUSE

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://www.aaabiotech.com/e-coli-mil-4-active-protein/interleukin-4/38143>