

Interleukin 4 Active Protein | IL-4 active protein

Human Interleukin 4 (IL-4), yeast

CATALOG #
AAA62204

PRODUCT SYNONYMS

Interleukin 4; Human Interleukin 4 (IL-4); yeast; human interleukin 4; IL-4 active protein

PRODUCT SPECIFICATIONS

Purity/Purification	> or = 97% purity (by SDS-PAGE and HPLC)
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS
Sequence Length	153
Source	Yeast
Endotoxin Level	<=1 EU/mg, determined by the LAL method
Biological Activity	Measured in a cell proliferation assay using a human factor-dependent cell line, TF-1. The specific activity shall be not less than 1×10^7 IU/mg.
Reconstitution	Reconstitute with double distilled water at a concentration of no less than 100 ug/ml with 0.1% human serum albumin (A highly purified plant-derived human serum albumin is strongly suggested to be used) or Bovine serum albumin as a stock.
Preparation and Storage	Stable for 6-months from the date of shipment when kept at -20 degree C or -70 degree C. Upon reconstitution, it can be stored at 4 degree C for at least one month or -20 degree C for at least three months. Avoid repeated freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL-4 active protein	Description: Recombinant human IL-4 produced in Yeast is a single, glycosylated, polypeptide chain containing 129 amino acids, three pairs of disulfide bonds and having a molecular mass of approximately 15.0kD (after glycosylation, the molecular mass is 30.0kD). Introduction: Interleukin 4 is a pleiotropic cytokine produced by activated T cells, mast cells, and basophils. It was initially identified as a B cell differentiation factor (BCDF), as well as a B cell stimulatory factor (BSF1). Subsequent to the molecular cloning and expression of both human and Mouse IL-4, numerous other functions have been described on B cells as well as other hematopoietic and nonhematopoietic cells, including T lymphocytes, monocytes, macrophages, mast cells, myeloid and erythroid progenitors, fibroblasts, endothelial cells, etc. IL-4 exhibits anti-tumor effects both in vivo and in vitro.
Product Categories/Family for IL-4 active protein	Cytokine Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504669
NCBI GeneID	3565
NCBI Accession #	NP_000580.1
NCBI GenBank Nucleotide #	NM_000589.3
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 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/il-4-active-protein/interleukin-4/62204>