

IL-4 recombinant protein

Human IL-4 protein

CATALOG #
AAA332527

HOST
HEK293 Cells

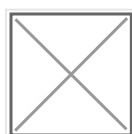
PRODUCT SYNONYMS

IL-4; Human IL-4 protein; IL4; IL-4B_cell stimulatory factor 1; B cell growth factor 1; BCGF1; BCGF-1; interleukin 4; binetrakin; BCDF; B-cell stimulatory factor 1; BSF1; BSF-1; IL4E12; interleukin-4; Lymphocyte stimulatory factor 1; MGC79403; pitrakinra; IL-4 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	≥95 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4.
Protein Length	The recombinant Human IL-4 protein consists of 133 amino acids and has a predicted molecular mass of 15.4kDa. The apparent molecular mass of the Human IL-4 protein is approximately 18kDa in SDS-PAGE under reducing conditions.
Reconstitution	Use the buffer we provided to reconstitute the lyophilized Human IL-4 protein
Endotoxin	< 1 EU per ug of the protein as determined by the LAL method
Usage Notes	Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human IL-4 protein using the buffer we provided not less than 100 ug/mL, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized Human IL-4 proteins should be stored desiccated below -20 degree C. Upon reconstitution, the protein should be stored at 4 degree C between 2-7 days and for future use below -20 degree C. For long term storage it is recommended to add a carrier protein (0.129% HSA or BSA). Please prevent freeze-thaw cycles.

IMAGES



SDS-PAGE

Fig. SDS-PAGE analysis of Human IL-4 protein.

ADDITIONAL INFORMATION

Related Product Information for IL-4 recombinant protein

Background: Interleukin-4(IL-4), an anti-inflammatory cytokine, plays significant role in pathogenesis of various diseases such as asthma, tumors, and HIV infections. IL-4 is firstly identified as a T cell-derived growth factor for B cells. IL-4 can mediate important pro-inflammatory functions in asthma, including T helper cell type 2 lymphocyte differentiation, induction of IgE production, up-regulation of IgE receptors, expression of vascular cell-adhesion molecule 1, promotion of eosinophil transmigration into the lungs, inhibition of T-lymphocyte apoptosis, and mucus hypersecretion. The role of IL-4 in the pathogenesis of asthma is supported by identification of polymorphisms linked to asthma in the IL-4 gene promoter and proteins involved in IL-4 signaling.

Product Categories/Family for IL-4 recombinant protein

Cytokines; Cell Culture; Cytology

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
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; binetrakin; pitrakinra; B cell growth factor 1; B_cell stimulatory factor 1; lymphocyte stimulatory factor 1
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/il4-recombinant-protein-hek293-cells/332527>