

## Active Recombinant Human il4,HlgG1 Fc-tagged

Cat. No. IL4-362H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human IL-4(NP_000580) (Met1-Ser153) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	1-153 a.a.
<b>Description</b>	<p>The protein encoded by this gene is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.</p>
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells.
<b>Molecular Mass</b>	43 KDa (monomer)

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<b>AA Sequence</b>	Met1-Ser153
<b>Endotoxin</b>	<0.06 eu/μg="" as="" determined="" by="" lal="">
<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Reconstitution</b>	Reconstitute at 100μg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	IL4 interleukin 4 [ <a href="#">Homo sapiens</a> ]
<b>Official Symbol</b>	IL4
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">3565</a>
<b>mRNA Refseq</b>	<a href="#">NM_000589</a>
<b>Protein Refseq</b>	<a href="#">NP_000580</a>
<b>MIM</b>	<a href="#">147780</a>

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<b>UniProt ID</b>	P05112
<b>Chromosome Location</b>	5q23-q31
<b>Pathway</b>	Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; CD40/CD40L signaling, organism-specific biosystem;
<b>Function</b>	cytokine activity; growth factor activity; interleukin-4 receptor binding; protein binding;

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