

## Recombinant Full Length Human IL4 Protein, GST-tagged

Cat. No. IL4-5677HF Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human IL4 full-length ORF ( NP_000580, 1 a.a. - 153 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	153 amino acids
<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. [provided by RefSeq</p>
<b>Molecular Mass</b>	42.46 kDa
<b>AA Sequence</b>	MGLTSQLLPPLFFLLACAGNFVHGHKCDITLQEIIKTLNSLTEQKTLCTELTVTDIFAAS KNTTEKETFCRAATVLRQFYSHHEKDTRCLGATAQQFHRHKQLIRFLKRLDRNLWG

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LAGLNSCPVKQSTLENFLERLKTIMREKYSKCSS

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

IL4 interleukin 4 [ Homo sapiens ]

**Official Symbol**

IL4

**Synonyms**

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;

**Gene ID**

3565

**mRNA Refseq**

NM\_000589

**Protein Refseq**

NP\_000580

**MIM**

147780

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UniProt ID

P05112

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