

## Recombinant Human IL4R Protein

**Cat. No.** IL4R-5180H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human IL4R full-length ORF (NP_001008699.1) recombinant protein without tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by an alternate splice variant or by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. Allelic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema. Two transcript variants encoding different isoforms, a membrane-bound and a soluble form, have been found for this gene. [provided by RefSeq</p>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	25.6 kDa
<b>AA Sequence</b>	<p>MGWLCSGLLFPVSCLVLLQVASSGNMKVLQEPTCVSDYMSISTCEWKMNNGPTNCS          TELRLLYQLVFLLEAHTCIPENNGGAGCVCHLLMDDVVSADNYTLDLWAGQQLLW          KGSFKPSEHVKPRAPGNLTVHTNVSDTLTLLTWSNPYPPDNYLYNHLTYAVNIWSEN          DPADFRIYNVTYLEPSLRIAASTLKSGISYRARVRAWAQCYNNTTWSEWSPSTKWHN</p>

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<b>Applications</b>	Antibody Production Functional Study Compound Screening
<b>Usage</b>	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	IL4R interleukin 4 receptor [ Homo sapiens ]
<b>Official Symbol</b>	IL4R
<b>Synonyms</b>	IL4R; interleukin 4 receptor; interleukin-4 receptor subunit alpha; CD124; IL-4 receptor subunit alpha; interleukin-4 receptor alpha chain; IL4RA; IL-4RA;
<b>Gene ID</b>	3566
<b>mRNA Refseq</b>	NM_000418
<b>Protein Refseq</b>	NP_000409
<b>MIM</b>	147781

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UniProt ID

P24394

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