

# 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>MGWLCSGLLPVSVCLVLLQVASSGNMKVLQEPTCVSDYMSISTCEWKMNNGPTNCS<br/> TELRLLYQLVFLLEAHTCIPENNGGAGCVCHLLMDDVVSADNYTLDLWAGQQLLW<br/> KGSFKPSEHVKPRAPGNLTVHTNVSDTLTLLTWSNPYPDPNYLYNHLTYAVNIWSEN<br/> DPADFRIYNVTYLEPSLRIAASTLKSGISYRVRVRAWAQCYNNTTWSEWSPSTKWHN</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|-----------------------|------------------------------------------------------------------------------------------------|
|                       | SNIC                                                                                           |
| <b>Applications</b>   | Antibody Production<br>Functional Study<br>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

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