

# Recombinant Human IL4R Protein, GST-tagged

**Cat. No.** IL4R-5179H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human IL4R partial ORF ( NP_000409, 26 a.a. - 135 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 37.84 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MKVLQEPTCVSDYMSISTCEWKMNPTNCSTELRLLYQLVFLSEAHTCIPENNGG<br>AGCVCHLLMDDVVSADNYTLDLWAGQQLLWKGSEHKPSEHVVKPRAPGNLTVHTNV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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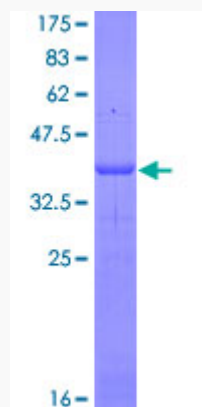
|                         |                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Antibody Production<br>Protein Array                                                                                                                       |
| <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>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                            |
| <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                                                                                                                                                     |
| <b>UniProt ID</b>       | P24394                                                                                                                                                     |

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**Quality Control  
Testing**



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