

Recombinant Human IL4R Protein, His-tagged

Cat. No. IL4R-2321H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human IL4R Protein (Met26-His232) with a N-His tag was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Met26-His232 |
| Description | <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 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. Polymorphisms in this gene are also associated with resistance to human immunodeficiency virus type-1 infection. Alternate splicing results in multiple transcript variants.</p> |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 23.72 kDa Accurate Molecular Mass: 27 kDa |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|--|
| Endotoxin | <1.0 EU per 1g (determined by the LAL method). |
| Purity | > 97% |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |
| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in PBS or others. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | IL4R interleukin 4 receptor [Homo sapiens (human)] |
| Official Symbol | IL4R |
| Synonyms | IL4R; interleukin 4 receptor; interleukin-4 receptor subunit alpha; CD124; IL-4 receptor subunit alpha; interleukin-4 receptor alpha chain; IL4RA; IL-4RA; |
| Gene ID | 3566 |
| mRNA Refseq | NM_000418 |

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MIM 147781

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