

Recombinant Human IL4R Protein, His-tagged

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

SPECIFICATION

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	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.72 kDa Accurate Molecular Mass: 27 kDa

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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

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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Protein Refseq	NP_000409
MIM	147781
UniProt ID	P24394

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