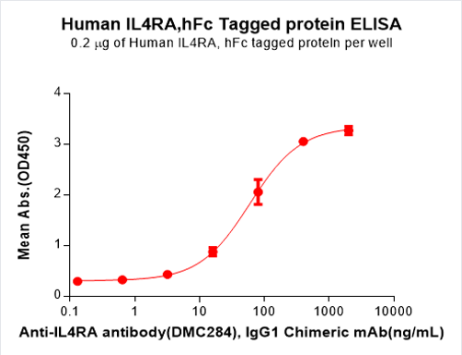
IL4RA Human Recombinant Protein

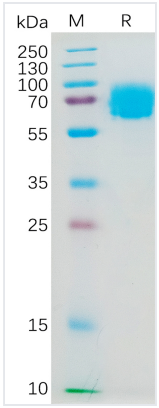
PRODUCT OVERVIEW

Product Name	IL4RA, Recombinant Protein
Full Product Name	Human IL4RA Protein, hFc Tag
Product Gene Name	IL4RA recombinant protein
Product Synonym Names	CD124; IL-4RA; IL4RA
Sequence	IL4RA (Met26-His 232) + hFc (Glu99-Ala 330)
Host	HEK293 cells
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -80 degree C for 12 months (Avoid repeated freezing and thawing)
Molecular Weight	89,658 Da
Chromosome Location	Chromosome: 16; NC_000016.9 (27325230..27376099). Location: 16p12.1-p11.2
OMIM	147781
3D Structure	ModBase 3D Structure for P24394
Origin	Human
Reconstitution	Reconstitute with deionized water
Tag	C-Human Fc
Related Product Information for IL4RA recombinant protein	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, sinusitus, 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.
Other Notes	Small volumes of IL4RA recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL4RA purchase	MBS188310 is a recombinant protein targeting IL4RA. Also known as Human IL4RA Protein, hFc Tag. Host: HEK293 cells.



ELISA (EIA) of IL4RA recombinant protein

Figure 1. Human IL4RA Protein, hFc Tag on SDS-PAGE under reducing condition.



SDS-Page of IL4RA recombinant protein

Figure 1. Human IL4RA Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL4RA. It may not necessarily be applicable to this product.

NCBI GI #	4557669
NCBI GeneID	3566
NCBI Accession #	NP_000409.1
UniProt Primary Accession #	P24394
UniProt Secondary Accession #	Q96P01; Q9H181; Q9H182; Q9H183; Q9H184; Q9H185; Q9H186; Q9H187; Q9H188; B9EKU8; H3BSY5
UniProt Related Accession #	P24394
GenBank Nucleotide #	NM_000418.3
NCBI Official Full Name	interleukin-4 receptor subunit alpha isoform a
NCBI Official Synonym Full Names	interleukin 4 receptor
NCBI Official Symbol	IL4R
NCBI Official Synonym Symbols	CD124; IL4RA; IL-4RA
UniProt Protein Name	Interleukin-4 receptor subunit alpha
UniProt Synonym Protein Names	IL-4-binding protein
UniProt Gene Name	IL4R
UniProt Synonym Gene Names	IL4RA; IL-4 receptor subunit alpha; IL-4R subunit alpha; IL-4R-alpha; IL-4RA; Soluble IL-4 receptor subunit alpha; Soluble IL-4R-alpha; sIL4Ralpha/prot; IL4-BP
UniProt Entry Name	IL4RA_HUMAN
NCBI Protein Information	interleukin-4 receptor subunit alpha; IL4R nirs variant 1; IL-4 receptor subunit alpha; interleukin-4 receptor alpha chain

UniProt Comments for IL4RA	IL4R: Receptor for both interleukin 4 and interleukin 13. Couples to the JAK1/2/3-STAT6 pathway. The IL4 response is involved in promoting Th2 differentiation. The IL4/IL13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation. In certain cell types, can signal through activation of insulin receptor substrates, IRS1/IRS2. Belongs to the type I cytokine receptor family. Type 4 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Receptor, cytokine Chromosomal Location of Human Ortholog: 16p12.1-p11.2 Cellular Component: extracellular space; integral to plasma membrane; receptor complex Molecular Function: protein binding; interleukin-4 receptor activity; receptor signaling protein activity Biological Process: ovulation; positive regulation of T-helper 2 cell differentiation; negative regulation of T-helper 1 cell differentiation; response to estrogen stimulus; production of molecular mediator of acute inflammatory response; immune response; defense response to protozoan; signal transduction; regulation of cell proliferation; positive regulation of macrophage activation Disease: Ige Responsiveness, Atopic; Human Immunodeficiency Virus Type 1, Susceptibility To
Research Articles on IL4RA	**1.** The IL1B gene -5839C > T and IL4R 1902A > G polymorphisms and IL12RB1 -1094A/-641C and TNF -1031 T/-863A/-857 T/-308 G/-238 G haplotypes were associated with malaria susceptibility.
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