

Recombinant Human IL4R Protein (Gly24-His232)

Product Information

Cat	IMP-10470
Official Symbol	IL4R
Product Overview	Recombinant human IL-4R alpha protein (Gly24-His232) without tag was expressed in Sf 21 cells.
Description	<i>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.</i>
Expression System	Sf 21 cells
Species	Human
Tag	Tag Free
Predicted N Terminal	Gly24
Form	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Molecular Mass	Predicted Molecular Mass: 24 kDa SDS-PAGE: 30-35 kDa, reducing conditions
Protein length	Gly24-His232
Bio-activity	Measured by its ability to inhibit IL-4-dependent proliferation of TF-1 human erythroleukemic cells. Approximately 5-25 ng/mL of IL-4 R alpha will inhibit 50% of the biological response due to 0.2 ng/mL of recombinant human IL-4.
Endotoxin	
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.