

Active Recombinant Human IL4R Protein

Cat. No. IL4R-177I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL4R Protein without tag was expressed in HEK 293.
Species	Human
Source	HEK293
Description	Interleukin-4 Receptor, also known as IL-4RA and CD124, is a transmembrane glycoprotein belonging to the class I receptor family. It is highly expressed by activated T-cells. IL-4RA couples with γ chain to form the type I receptor for IL-4. The extracellular domain of IL-4RA binds to IL-4 and antagonizes its activity. IL-4RA plays an important role in Th2 cell differentiation, Ig class switching and alternative macrophage activation. It has also been implicated in allergic inflammation, tumor progression and atherogenesis.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 70 ng/mL, measured in a neutralization assay using TF-1 cells in the presence of 0.5 ng/mL h-IL-4.
Molecular Mass	40-45 kDa, observed by reducing SDS-PAGE.
AA Sequence	GNMKVLQEPTCVSDYMSISTCEWKMNPTNCSTELRLLYQLVFLSEAHTCIPENN GGAGCVCHLLMDDVVSADNYTLDLWAGQQLLWKGSFKPSEHVVKPRAPGNLTVHTN VSDTLLLTWSNPYPDPNYLYNHLTYAVNIWSENDPADFRIYNVTYLEPSLRIAASTLK SGISYRVRVRAWAQCYNNTTWSEWSPSTKWHNSYREPFEQH

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Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant Human Interleukin-4 Receptor remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human Interleukin-4 Receptor should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	IL4R interleukin 4 receptor [Homo sapiens]
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
Protein Refseq	NP_000409
MIM	147781
UniProt ID	P24394

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