

Active Recombinant Human IL4R protein, His-tagged

Cat. No. IL4R-587H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL4R protein (Met 1-His 232), fused to His tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Met 1-His 232
Form	Lyophilized from sterile PBS, pH 7.4
Bio-activity	<ol style="list-style-type: none"> 1. Measured by its binding ability in a functional ELISA. Immobilized human IL4R-His at 10 µg/mL (100 µl/well) can bind biotinylated human IL4. The EC50 of biotinylated human IL4 is 20.8-48.5 ng/mL. 2. Measured by its ability to inhibit IL-4 dependent proliferation of TF-1 human erthroleukemic cells. The ED50 for this effect is 2-10 ng/mL in the presence of 0.2 ng/ml IL-4.
Molecular Mass	The secreted recombinant human IL4R consists of 218 amino acids after cleavage of the signal peptide and predicts a molecular mass of 25.18 kDa. In SDS-PAGE under reducing conditions, it migrates with the apparent molecular mass of 43-48 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 98 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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