

## Recombinant Human IL4R Protein, C-His-tagged

**Cat. No.** IL4R-068H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL4R Protein with C-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>The IL-2 receptor is a multicomponent complex consisting of three subunits, <math>\alpha</math>, <math>\beta</math> and <math>\gamma</math>, each of which is required for high affinity binding of IL-2. The <math>\alpha</math> chain functions primarily in binding IL-2, whereas the <math>\beta</math> and <math>\gamma</math> chains contribute to IL-2 binding and are essential to IL-2-induced activation of signaling pathways leading to T cell growth. Both IL-4R and IL-7R were initially described as single chain, high-affinity ligand-binding cytokine receptors. However, it is now well established that the IL-2R<math>\gamma</math> chain functions as a second subunit of the high affinity IL-4R and IL-7R receptors. Consequently, the originally described subunits of these latter receptors are now referred to as IL-4R<math>\alpha</math> and IL-7R<math>\alpha</math>, respectively, while the common subunit is referred to as <math>\gamma</math>c. Although the common <math>\gamma</math> chain enhances ligand binding in these three cytokine receptors, it has no capacity to bind these ligands on its own. There is evidence that the <math>\gamma</math>c chain is also a subunit of IL-13R.</p>
<b>Molecular Mass</b>	~23 kDa
<b>AA Sequence</b>	<p>KVLQEPTCVSDYMSISTCEWKMNNGPTNCSTELRLLYQLVFLLEAHTCIPENGGAG  CVCHLLMDDVVSADNYTLDLWAGQQLLWKGSFKPSEHVKPRAPGNLTVHTNVSDT  LLLTWSNPYPDPNYLYNHLTYAVNIWSENDPADFRIYNTYLEPSLRIAASTLKSGISY</p>

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RARVRAWAQCYNNTTWSEWSPSTKWHNSYREPFEQH

**Purity**

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

**Notes**

For research use only, not for use in diagnostic procedure.

**Storage**

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

**Concentration**

≥0.5 mg/mL

**Storage Buffer**

PBS, 4M Urea, pH7.4

**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

**Protein Refseq**

NP\_000409

**MIM**

147781

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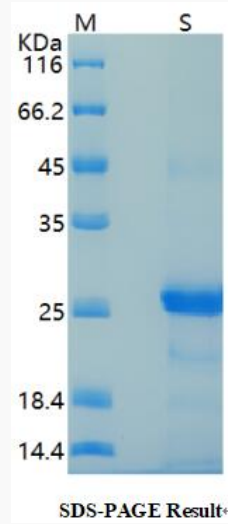
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UniProt ID

P24394

SDS-PAGE



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