

Recombinant Full Length Human IL4R Protein

Cat. No. IL4R-5681HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL4R full-length ORF (NP_001008699.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	360 amino acids
Description	<p>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 an alternate splice variant or 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. Two transcript variants encoding different isoforms, a membrane-bound and a soluble form, have been found for this gene. [provided by RefSeq]</p>
Form	Liquid
Molecular Mass	25.6 kDa
AA Sequence	<p>MGWLCSGLLFPVSCLVLLQVASSGNMKVLQEPTCVSDYMSISTCEWKMNGPTNCS TELRLLYQLVFLVLLSEAHTCIPENNGGAGCVCHLLMDDVVSADNYTLDLWAGQQLLW</p>

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KGSFKPSEHVKPRAPGNLTVHTNVSDTLLLTWSNPYPPDNYLYNHLTYAVNIWSEN
 DPADFRIYNVTYLEPSLRIAASTLKSGISYRARRAWAQCYNNTTWSEWSPSTKWHN
 SNIC

Applications	Antibody Production Functional Study Compound Screening
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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

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UniProt ID

P24394

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