

Recombinant Cynomolgus monkey IL4R Protein, His-tagged

Cat. No. IL4R-329C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus monkey IL4R protein with His tag was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	825
Description	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.
Form	Lyophilized
Molecular Mass	25.6 kDa
AA Sequence	MGWLCSGLLFPVSLVLLQVASSGSMKVLQEPACVSDYMSISTCEWKMGGPTNCS

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AELRLLYQLVFQSSEHTTCVPENNGGVGCVCHLLMDDVVSM DNYTLDLWAGQQLL
 WKG SFKPSEHV KPRAPGNLTVHTNVSDTVLLTWSNPYPDPNYLYNDLTYAVNIWSE
 NDPAYSRIHNVTYLKPTLRIPASTLKSGISYRARVRAWAQHYNTTWSEWSPSTK WY
 NSYREPFQ RLLWGVSAACVFILFFCLSCYFSVTKIKKEWWDQIPNPARSHLV AIIIQD
 AQESQWEKRSRGQEAAKCPYWKNCLTKLLPCFLEHNMKRDEDPHKAVKDL PFRGS
 GKSAWCPVEISKTVLWPESISVVRVELFEAPVECKE EEEEEVEEEKGSFCTSS ESNRD
 DFQEGREGIVARL TESLFLDLLGGENG GFFQQDMGESCLLPPLGSTS AHVPWDEF P
 SAGPKEVPPWGKEQPLHQEPSPPASPTQSPDNPTCTEMPLVISSNPAYRSFS NSLS
 QSPCPRELGPDP LLARHLEEVDPEMPCAPQLSEPTTVAPAEPETWEQILRRNV LQH
 GAAAAPASAPTSGYREFVHAVQQGGIQASAVAGL GPPGEAGYKAFSSLLASSAV SP
 GECGFGASSGEEGYKPFQDLTPGCPGDPAPVPVPLFTFGLDREPPHSPQSSHLPS
 NSPEHLALEPGEKVEDMQKPLPPEQATDPLGDNLGSGIVYSALTCHLCGHLKQCH
 GQEDGGQAPVVASPCCGCCCGDRSSPPTPLRAPDPSLGGVPLEASLCLASLAPS
 GISEKSKSSLSFHPAPGSAQSSSQTPQIVNFVSVGPTCMRVS

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted

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stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	IL4R interleukin 4 receptor [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	IL4R
Synonyms	IL4R; interleukin 4 receptor; interleukin-4 receptor subunit alpha; interleukin 4 receptor alpha chain;
Gene ID	705404
mRNA Refseq	XM_015125833
Protein Refseq	XP_014981319
UniProt ID	F6RUR0

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