

Recombinant Mouse Il4ra Protein, His-tagged

Cat. No. Il4ra-332M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il4ra protein with His tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	810
Description	Predicted to enable cytokine receptor activity. Involved in positive regulation of chemokine production; positive regulation of cold-induced thermogenesis; and positive regulation of macrophage activation. Acts upstream of or within several processes, including defense response to protozoan; negative regulation of T-helper 1 cell differentiation; and positive regulation of immune effector process. Predicted to be located in several cellular components, including centriolar satellite; extracellular space; and nucleoplasm. Predicted to be part of receptor complex. Is expressed in several structures, including adrenal medulla; early conceptus; hemolymphoid system; medulla oblongata basal plate mantle layer; and reproductive system. Used to study asthma. Human ortholog(s) of this gene implicated in several diseases, including acne; allergic conjunctivitis; autoimmune disease (multiple); human immunodeficiency virus infectious disease; and renal tuberculosis. Orthologous to human IL4R (interleukin 4 receptor).
Form	Lyophilized
Molecular Mass	26.3 kDa

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AA Sequence

MGR LCTKFLT SVGCLILLVTGSGSIKVLGEPTCFSDYIRTSTCEWFLDSA VDCSSQL
 CLHYRLMFFEFSEN LTCIPRNSASTVCVCHMEMNRPVQSDRYQMELWAEHRQLWQ
 GSFSPSGNVKPLAPDNLTLHTNVSEWLLTWNNLYPSNNLLYKDLISMVNISREDNP
 AEFIVYNVTYKEPRLSFPINILMSGVYYTARVRVRSQILTGTWSEWSPSITWYNHFQL
 PLIQLPLPGVTISCLCIPLFCFCYFSITKIKKIWWQIPTPARSPLVAIIQDAQVPLWD
 KQTRSQUESTKYPHWKTCCLKLLPCLLKHRVKKKTD FPKAAPT KSLQSPGKAGWCP
 MEVSRTVLWPENVSVSVVRCMELFEAPVQNVEEEEDEIVKEDLSMSPENSGGCGF
 QESQADIMARLTENLFSDLLEAENGGLGQSALAESCSP LPSGSGQASVSWACLPM
 GPSEEATCQVTEQPSHPGPLSGSPAQSAPT LACTQVPLVLADNPAYRSFSDCCSPA
 PNPGE LAPEQQQADHLEEEEPSPADPHSSGPPMQPVESWEQILHMSVLQHGA AAA
 GSTPAPAGGYQEFVQAVKQGAAQDPGVPGVRPSGDPGYKAFSSLLSSNGIRGDTA
 AAGTDDGHGGYKPFQNPV PNQSPSSVPLFTFGLDTELSPLNSDPPKSPPECLGL
 ELGLKGGDWVKAPPPADQVPKPF GDDLFGFIVYSSLTCHLCGHLKQHHSQE EGGQ
 SPIVASPGCGCCYDDRSPSLGSLSGALESCPEGIPPEANLMSAPKTPSNLSGEGKG
 PGHSPVPSQTTEVPVGALGIAVS

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.

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Reconstitution

Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted 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	Il4ra interleukin 4 receptor, alpha [Mus musculus (house mouse)]
Official Symbol	Il4ra
Synonyms	IL4RA; interleukin 4 receptor, alpha; interleukin-4 receptor subunit alpha; IL-4RA; IL-4R-alpha; IL-4R subunit alpha; IL-4 receptor alpha chain; IL-4 receptor subunit alpha; Il4r; CD124; MGC118473;
Gene ID	16190
mRNA Refseq	NM_001008700
Protein Refseq	NP_001008700
UniProt ID	P16382

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