

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	<p>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).</p>
Form	Lyophilized
Molecular Mass	26.3 kDa

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AA Sequence

MGR LCTKFLTSV GCLILLV TGSGSIKVLGEPTCFSDYIRTSTCEWFLDSA VDCSSQL
 CLHYRLMFFEFSEN LTCIPRNSASTVCVCHMEMNRPVQSDRYQMELWAEHRQLWQ
 GSFSPSGNVKPLAPDNLT LHTNVSDEWLLTWNNLYPSNNLLYKDLISMVNISREDNP
 AEFIVYNV TYKEPRLSFPINILMSGVYYTARVRVRSQILTGTWSEWSPSITWYNHFQL
 PLIQLRPLGVTISCLCIPLFCLFCYFSITKIKKIWWDQIPTPARSPLVAIIIQDAQVPLWD
 KQTRSQESTKYPHWKTCLDKLLPCLLKHRVKKKTD FPKAAPT KSLQSPGKAGWCP
 MEVSRTVLWPENVS SVSVVRCMELFEAPVQNVEEEEDEIVKEDLSMSPENSGGCGF
 QESQADIMARLTENLFSDLLEAENGGLGQSALAE SCSP LPSGSGQASVSWACLPM
 GPSEEATCQVTEQP SHPGPLSGSPAQSAPT LACTQVPLVLADNPAYRSFSDCCSPA
 PNP GELAPEQQQADHLEEEPPSPADPHSSGPPMQPVESWEQILHMSVLQHGA AAA
 GSTPAPAGGYQEFVQAVKQGA AQDPGVPGVRPSGDPGYKAFSSLLSSNGIRGDTA
 AAGTDDGHGGYKPFQNPV PNQSPSSVPLFTFGLDTE LSP SPLNSDPPKSPPECLGL
 ELGLKGGDWVKAPPPADQVPKPF GDDLFGFIVYSSLTCHLCGHLKQHHSQE EGGQ
 SPIVASPGCGCCYDDRSPSLGSLSGALESCPEGIPPEANLMSAPKTPSNLSGEGKG
 PGHSPVPSQTTEVPV GALGIAVS

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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