IL-4RA Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	IL-4RA, Recombinant Protein
Full Product Name	Recombinant Mouse IL-4RA
Product Gene Name	IL-4RA recombinant protein
Product Synonym Names	Interleukin-4 receptor subunit alpha; IL-4R-alpha; CD124; IL4-BP; Soluble IL-4R-alpha
Sequence	Ile26-Arg2 33
Host	Mammalian Cells
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, pH7.4
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Preparation and Storage	The lyophilized protein is stable at -20 degree C for up to 1 year. After reconstitution, the protein solution is stable at -20 to -80 degree C for 3 months or 1 week at 2 to 8 degree C under sterile conditions. For extended storage, it is recommended to further dilute in working aliquots, avoid repeated freeze/thaw cycle.
Molecular Weight	29,584 Da
3D Structure	ModBase 3D Structure for P16382
Species	Mouse
Endotoxin	< 1 EU/ug as determined by LAL test.
Tag	C-terminal hFc Tag
Reconstitution	Centrifuge the vial at 10000rpm for 30s before opening, reconstitute in sterile distilled water to a concentration of 0.1-1mg/ml by gently pipetting 2-3 times, don't vortex.
Product Categories/Family for IL-4RA recombinant protein	cytokines; organoid-culture-cytokines
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for IL-4RA recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for IL-4RA recombinant protein	MBS7621875 is a recombinant protein targeting IL-4RA. Also known as Recombinant Mouse IL-4RA. Host: Mammalian Cells.
Other Notes	Small volumes of IL-4RA recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-4RA. It may not necessarily be applicable to this product.

NCBI GI #	56785428
NCBI GeneID	16190
NCBI Accession #	NP_001008700.1
UniProt Primary Accession #	P16382

UniProt Secondary Accession #	O54690; Q60583; Q8CBW5
UniProt Related Accession #	P16382
GenBank Nucleotide #	NM_001008700.3
NCBI Official Full Name	interleukin-4 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 4 receptor, alpha
NCBI Official Symbol	Il4ra
NCBI Official Synonym Symbols	Il4r; CD124
UniProt Protein Name	Interleukin-4 receptor subunit alpha
UniProt Synonym Protein Names	CD_antigen: CD124
Protein Family	Interleukin-4 receptor
UniProt Gene Name	Il4r
UniProt Synonym Gene Names	Il4ra; IL-4 receptor subunit alpha; IL-4R subunit alpha; IL-4R-alpha; IL-4RA; Soluble IL-4 receptor subunit alpha; Soluble IL-4R-alpha; sIL4Ralpha/prot; IL4-BP
NCBI Protein Information	interleukin-4 receptor subunit alpha
UniProt Comments for IL-4RA	Receptor for both interleukin 4 and interleukin 13. Couples to the JAK1/2/3-STAT6 pathway. The IL4 response is involved in promoting Th2 differentiation. The IL4/IL13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation. In certain cell types, can signal through activation of insulin receptor substrates, IRS1/IRS2.
Research Articles on IL-4RA	**1.** the IL-4/IL-13 Heteroreceptor and its cytokines IL-4 and IL-13 play a role in Th17 to Th1 conversion as well as the differential sensitivity of the effectors to Treg suppression, leading to control of experimental allergic encephalomyelitis
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