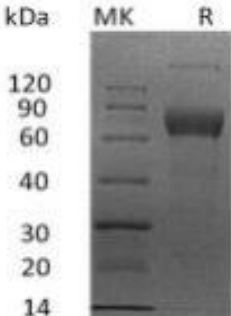


Recombinant Human IL-4 RA

Catalog#:P01483 Derived from Human Cells

DESCRIPTION	<p>Recombinant Human Interleukin-4 Receptor Subunit Alpha is produced by our Mammalian expression system and the target gene encoding Met26-Gln231 is expressed with a mFc tag at the C-terminus.</p> <p>Accession#: P24394</p> <p>Known as: Interleukin-4 receptor subunit alpha; IL-4 receptor subunit alpha; IL-4R subunit alpha; IL-4R- alpha; IL-4RA; CD124; IL-4-binding protein; IL4-BP; IL4R; IL4RA</p>
FORMULATION	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at <-20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
RECONSTITUTION	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass:50.2kDa AP Mol Mass:65-86kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p>
BACKGROUND	<p>Interleukin 4 Receptor alpha (IL4- Ra) is a widely expressed 140 kDa transmembrane glycoprotein in the class I cytokine receptor family. Mature human IL4- Ra consists of a 207 amino acid (aa) extracellular domain (ECD) that contains a cytokine binding region and one fibronectin type III domain, a 24 aa transmembrane segment, and a 569 aa cytoplasmic domain that contains one Box 1 motif and one ITIM motif. IL4-Ra plays an important role in Th2-biased immune responses, alternative macrophage activation, mucosal immunity, allergic inflammation, tumor progression, and atherogenesis. Soluble forms of IL4-Ra, generated by alternate splicing or proteolysis, retain ligand binding properties and inhibit IL-4 bioactivity.</p>
SDS-PAGE	 <p>The SDS-PAGE gel shows a molecular weight marker (MK) on the left with bands at 120, 90, 60, 40, 30, 20, and 14 kDa. Lane R shows a single prominent band at approximately 140 kDa, corresponding to the expected molecular weight of the recombinant protein.</p>