

IL-10R alpha/IL-10RA Protein, Macaca mulatta, Recombinant (His)

General Information

Synonyms:	IL-10RA; Interleukin-10 receptor subunit 1; IL-10R subunit 1; IL-10R subunit alpha; Interleukin-10 receptor subunit α ; IL-10 receptor subunit α ; IL-10 receptor subunit alpha; IL-10R1; IL10RA; IL-10R subunit α ; CDw210a; CD210; Interleukin-10 receptor subunit alpha
Protein Construction:	His22-Asn235
Species:	Macaca Mulatta
Expression Host:	HEK293 Cells
Accession:	XP_028689862.1
Molecular Weight:	35-55 KDa (reducing condition)
AA Sequence:	His22-Asn235

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:
Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Interleukin-10 Receptor alpha (IL-10 R alpha), also known as IL-10 R1, is a transmembrane glycoprotein member of the class II cytokine receptor family. Interleukin-10 (IL10) is a key anti-inflammatory cytokine that is produced predominantly by leukocytes including T cells, B cells, monocytes, macrophages, and dendritic cells (DCs), as well as by some epithelial cells. The receptor for IL10 is a heterotetramer complex comprising two IL10Ra (also referred

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to as IL10R1) molecules and two IL10Rb (also referred to as IL10R2) molecules. IL10Ra is expressed on most hematopoietic cells at a basal level but is upregulated by various cells upon activation, suggesting its importance in inhibitory pathways.

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