Datasheet for ABIN7319569

# IL-10RA Protein (His tag)

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 50 µg |
| Target: | IL-10RA (IL10RA) |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This IL-10RA protein is labelled with His tag. |

## Product Details

| | |
|---|---|
| Purpose: | Recombinant Human IL10-RA/IL-10 Rα Protein (His Tag) |
| Sequence: | His22-Asn235 |
| Characteristics: | Recombinant Human IL10-RA is produced by our Mammalian expressionsystem and the target gene encoding His22-Asn235 is expressed with a 6His tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

## Target Details

| | |
|---|---|
| Target: | IL-10RA (IL10RA) |
| Alternative Name: | IL10-RA/IL-10 Ralpha (IL10RA Products) |
| Background: | Background: Interleukin-10 Receptor alpha (IL-10Rα) is a transmembrane glycoprotein member of the class II cytokine receptor family. Mature human IL-10 Rα consists of a 214 amino acid (aa) extracellular domain (ECD), a 21 aa transmembrane segment, and a 322 aa cytoplasmic |

## Target Details

| | |
|---|---|
| | domain. Within the ECD, human IL-10 Rα shares 59 % aa sequence identity with mouse and rat IL-10Rα. IL-10 Rα is required for mediating the effects of IL-10,a critical molecule in the control of microbial infections, allergic and autoimmune inflammation, and cancer. IL-10Rα is the ligand specific subunit of the IL-10 receptor complex. Noncovalent dimers of IL-10 bind to IL-10 Rα, resulting in the recruitment of IL-10 Rβ. Immunosuppressive signal transduction through the IL-10 receptor complex can be inhibited by activation of TLR2, 4, or 9, enabling strengthened immune responses during infection. Polymorphisms of human IL-10 Rα may limit viral immune evasion by retaining full responsiveness to human IL-10 but responding weakly to the cytomegalovirus homolog of IL10.<br>Synonym: Interleukin-10 receptor subunit alpha, IL-10 receptor subunit alpha, IL-10R subunit alpha, IL-10RA, CDw210a, Interleukin-10 receptor subunit 1, IL-10R subunit 1, IL-10R1, CD210, IL10RA, IL-10RA |
| Molecular Weight: | 25.2 kDa |
| UniProt: | Q13651 |
| Pathways: | Growth Factor Binding |

## Application Details

| | |
|---|---|
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |