

Recombinant human IL27RA protein, C-hFc (HEK293)

Catalog Number: bs-47130P

Concentration: >0.5 mg/ml

AA Seq: 34-516/636

Predicted MW: 79.3

Detected MW: Due to glycosylation, the protein migrates to 90-120 kDa based on Tris-Bis PAGE result.

Tags: C-hFc

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE

Purification: AC

Form: Lyophilized

Storage: Lyophilized from 0.22μm filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background:

Upon antigen challenge, T-helper cells differentiate into two functionally distinct subsets, Th1 and Th2. Th1 cells produce IL-2, IFN-γ and lymphotoxin-b that augment the cell-mediated immune response, while Th2 cells secrete IL-4, IL-5, and IL-10 that enhance humoral immunity. The function of T-helper cells is regulated by cytokines. A novel cytokine receptor was recently identified and cloned. It is a new member in the type I cytokine receptor family and designated TCCR for T-cell cytokine receptor and WSX-1. TCCR deficient mice had impaired Th1 responses to protein antigen challenge, including decreased levels of IFN-γ and Th1-dependent antibody IgG2a. TCCR is predominantly expressed in thymus, spleen, lymph nodes and peripheral blood leukocytes.

VALIDATION IMAGES



Human IL-27 Ra / TCCR Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.