

## HUMAN IL27RA PROTEIN, HFC TAG

**Cat.#:** 11620

**Product Name:** Human IL27RA Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CRL1;IL-27RA;IL27R;TCCR;WSX1;zcytor1

**Target:** IL27RA

**UNIPROT ID:** Q6UWB1

**Description:** Recombinant human IL27RA protein with C-terminal human Fc tag

**Background:** In mice, CD4 helper T-cells differentiate into type 1 (Th1) cells, which are critical for cell-mediated immunity, predominantly under the influence of IL12. Also, IL4 influences their differentiation into type 2 (Th2) cells, which are critical for most antibody responses. Mice deficient in these cytokines, their receptors, or associated transcription factors have impaired, but are not absent of, Th1 or Th2 immune responses. This gene encodes a protein which is similar to the mouse T-cell cytokine receptor Tccr at the amino acid level, and is predicted to be a glycosylated transmembrane protein.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 78.76 kDa after removal of the signal peptide.

**Molecular Characterization:** IL27RA(Gln33-Lys516) hFc(Glu99-Ala330)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.