

## 32-17647: Recombinant Human IL21R Protein, His Tag

**Uniprot ID :** Q9HBE5  
**Alternative Name :** CD360, IMD56, NILR

### Description

Molecular Characterization: IL21R(Cys20-Glu232) 6Å—His tag

Molecular weight: The protein has a predicted molecular mass of 25.4 kDa after removal of the signal peptide. The apparent molecular mass of IL21R-His is approximately 35-55 kDa due to glycosylation.

Description: Recombinant Human IL21R with C-terminal 6Å—His tag

The protein encoded by this gene is a cytokine receptor for interleukin 21 (IL21). It belongs to the type I cytokine receptors, and has been shown to form a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. This receptor transduces the growth promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3. Knockout studies of a similar gene in mouse suggest a role for this gene in regulating immunoglobulin production. Three alternatively spliced transcript variants have been described.

### Product Info

**Amount :** 100 µg / 50 µg

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** 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.