

Recombinant Human IL-21R/CD360 Protein

Catalog No.: RP00177

Sequence Information

Species **Gene ID**
Human 50615

Swiss Prot **Tags**
Q9HBE5 C-His

Synonyms
IL21R,CD360,NILR

Product Information

Source **Purification**
HEK293 cells ≥ 90 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
25.85 kDa 38–55 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL
method.

Formulation
Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4. Contact us
for customized product form or
formulation.

Reconstitution
Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1–0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

Interleukin-21 receptor, also known as IL-21 receptor, IL-21R, Novel interleukin receptor, IL21R and NILR, is a single-pass type I membrane protein which belongs to the type I cytokine receptor family and Type 4 subfamily. Interleukin-21 (IL-21) belongs to a family of cytokines, 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.

Basic Information

Description

Recombinant Human IL-21R/CD360 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Cys20–Pro236) of human IL-21R/Interleukin-21 Receptor (Accession #NP_068570.1) fused with a 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human IL21R at 2 μg/mL (100 μL/well) can bind Recombinant Human IL-21 with a linear range of 0.128–5.63 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

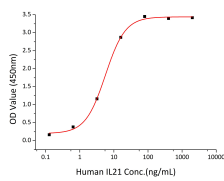
Contact

☎ | 400-999-6126

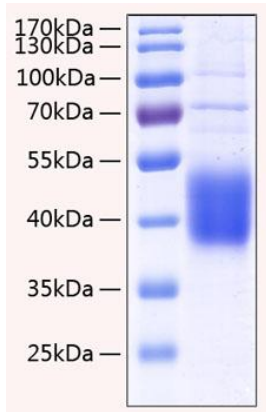
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Immobilized Recombinant Human IL21R at 2 μ g/mL (100 μ L/well) can bind Recombinant Human IL-21 with a linear range of 0.128-5.63 ng/mL.



Recombinant Human IL-21R/CD360 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.