Recombinant Mouse IL-21R/CD360 Protein

Catalog No.: RP01079

Sequence Information

Species
Mouse

Gene ID
60504

Swiss Prot
Q9JHX3

Tags
C-His

Synonyms
CD360,NILR,IL-21 R,IL-21 receptor, IL21R,IL-21R,interleukin 21 receptor,interleukin-21 receptor,, IL21R

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW
25.73 kDa

Observed MW
40-55 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 stablizer (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 Mouse IL-21R/CD360 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Cys20-Pro236) of mouse IL-21R/Interleukin-21 Receptor (Accession #NP_068687.1) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse IL21R at 2 μg/mL (100 μL/well) can bind Recombinant Human IL-21 with a linear range of 0.128-83.57 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℃

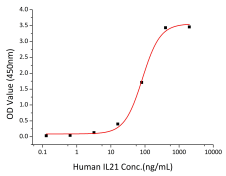
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

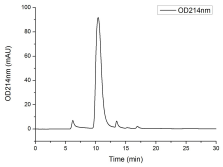
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

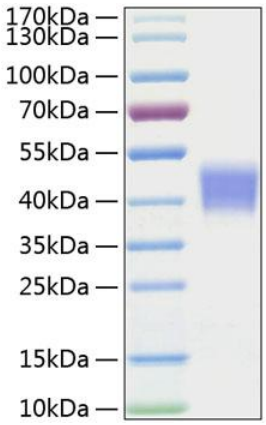
Validation Data



Immobilized Recombinant Mouse IL21R at 2μg/mL (100μL/well) can bind Recombinant Human IL-21 with a linear range of 0.128-83.57 ng/mL.



The purity of Mouse IL-21R/Interleukin-21 Receptor Protein (Cat.RP01079) was greater than 90% as determined by SEC-HPLC.



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