

# PRODUCT DATA SHEET

**COMPLEX**

Complex Biotech Co., Ltd

## CD360 Recombinant Protein

Catalog: BCP3440

Host: E.coli

Tag: His-tag

His-tag

### BackGround:

The IL-21 receptor (also designated IL-21R, NILR or novel interleukin receptor) is a type I cytokine receptor that forms a complex with the cytokine receptor  $\gamma$  chain,  $\gamma_c$  and mediates IL-21 signaling. IL-21R is present on the surface of natural killer, B and T cell populations with high levels in spleen and thymus. IL-21 and IL-21R influence lymphoid proliferation and early lymphoid development in the transition between innate and adaptive immunity. Tumor necrosis factor (TNF) upregulates IL-21R, and combinations of TNF and IL-21 can have synergistic effects on myeloma cell proliferation through pathways involving phosphorylation of JAK1, Stat3 and Erk1/2. The human IL-21R gene maps to chromosome 16p12.1 and encodes a 538 amino acid protein that is closely related to human IL2RB and shares 62% sequence identity to mouse IL21r.

### Product:

PBS, 4M Urea, PH7.4

### Molecular Weight:

~31kDa

### Swiss-Prot:

Q9HBE5

### Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

### Restriction Sites:

NdeI-XhoI

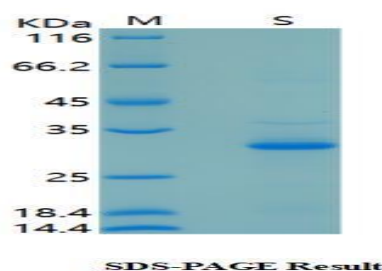
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Expression Vector:

pet-22b(+)

### DATA:



### Note:

For research use only, not for use in diagnostic procedure.