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## 32-13658: IL21R Mouse

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| **Format :** | The IL21R solution (0.25mg/1ml) contains PBS (pH7.4) and 10% glycerol. |
| **Alternative Name :** | Interleukin-21 receptor, IL-21 receptor, IL-21R, Il21r, Lymphocyte receptor beta, LR-beta, Novel interleukin receptor, Novel cytokine receptor 8, NR8, Novel interleukin receptor, CD360, CD360 antigen, NILR, Nilr. |

## Description

Source:HEK293 Cells.
Physical Appearance:Sterile filtered colorless solution.
Biological ActivityMeasured by its ability to inhibit IFN-g secretion using NK-92 human natural killer cells. The ED50 range = 4 ug/ml with mouse IL-2.
IL-21 is produced by CD4+ T cells in response to antigenic stimulation. Its action enhances antigen-specific responses of immune cells. The biological effects of IL-21 include induction of differentiation of T-cells-stimulated B-cells into plasma cells and memory B-cells, stimulation (in conjuction) with IL-4 of IgG production, and induction of apoptotic effects in na?ve B-cells and stimulated B-cells in the absence of T-cell signaling. Additionally, IL-21 promotes the anti-tumor activity of CD8+ T-cells and NK cells. IL-21 exerts its effect through binding to a specific type I cytokine receptor, IL-21R, which also contains the gamma chain (?c) found in other cytokine receptors including IL-2, IL-4, IL-7, IL-9 and IL-15. The IL-21/IL-21R interaction triggers a cascade of events which includes activation of the tyrosine kinases JAK1 and JAK3, followed by activation of the transcription factors STAT1 and STAT3.
IL21R Mouse Recombinant produced in HEK293 Cells is a single, glycosylated polypeptide chain containing 457amino acids (20-237 a.a) and having a molecular mass of 52 kDa.IL21R is expressed with a 239 amino acid hIgG-His-Tag at C-Terminus and purified by proprietary chromatographic techniques.

## Product Info

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| **Amount :** | 10 µg / 2 µg |
| **Purification :** | Greater than 95.0% as determined by SDS-PAGE. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | CLDLTCYTDY LWTITCVLET RSPNPSILSL TWQDEYEELQ DQETFCSLHR SGHNTTHIWY TCHMRLSQFL SDEVFIVNVT DQSGNNSQEC GSFVLAESIK PAPPLNVTVA FSGRYDISWD SAYDEPSNYV LRGKLQYELQ YRNLRDPYAV RPVTKLISVD SRNVSLLPEE FHKDSSYQLQ VRAAPQPGTS FRGTWSEWSD PVIFQTQAGE PEAGWDPHLE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG KHHHHHH |

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***