

Active Recombinant Mouse IL21r Protein, hlgG/His-tagged

Cat. No. IL21r-02M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IL21R (20-237aa), fused to hlgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	HEK293
ProteinLength	20-237aa
Description	Enables cytokine receptor activity. Predicted to be located in membrane. Predicted to be integral component of membrane. Is expressed in lung; mandible; and orbito-sphenoid. Human ortholog(s) of this gene implicated in B-cell lymphoma (multiple); Crohn's disease; autoimmune disease (multiple); human immunodeficiency virus infectious disease; and immunodeficiency 56. Orthologous to human IL21R (interleukin 21 receptor).
Form	Liquid
Bio-activity	Measured by its ability to inhibit IFN-g secretion using NK-92 human natural killer cells. The ED50 range $\leq 4 \mu\text{g/mL}$ with mouse IL-2.
Molecular Mass	52 kDa (457aa)
AA Sequence	CLDLTCYTDYLWTITCVLETRSPNPSILSLTWQDEYEELQDQETFCSLHRSGHNTTHI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

WYTCHMRLSQFLSDEVFIVNVTQSGNNSQECGSFVLAESIKPAPPLNVTVAFSGR
YDISWDSAYDEPSNYVLRGKLQYELQYRNLRDPYAVRPVTKLISVDSRNVSLLEEF
HKDSSYQLQVRAAPQPGTSFRGTWSEWSDPVIFQTQAGEPEAGWDPH

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 95% by SDS-PAGE

Applications SDS-PAGE, Bioactivity

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/mL (determined by Absorbance at 280nm)

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name [Il21r interleukin 21 receptor \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Il21r](#)

Synonyms Il21r; interleukin 21 receptor; NILR; interleukin-21 receptor; IL-21 receptor; IL-21R; LR-beta; NR8; lymphocyte receptor beta; novel cytokine receptor 8; novel interleukin receptor

Gene ID [60504](#)

mRNA Refseq [NM_021887](#)

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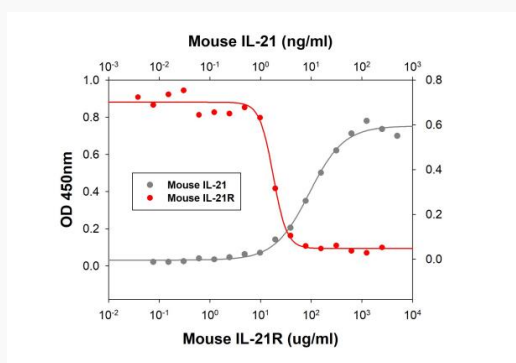
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Protein Refseq NP_068687.1

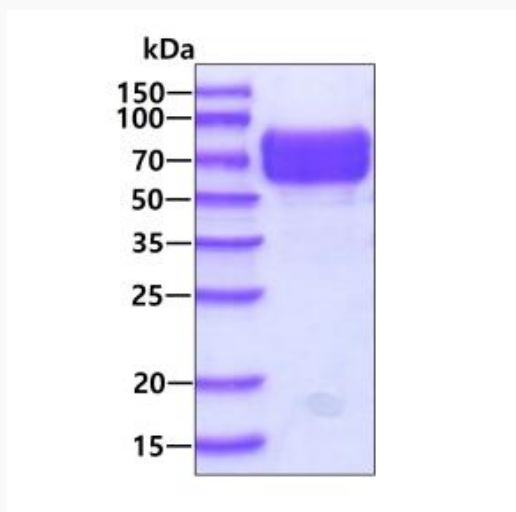
UniProt ID Q9JHX3

Biological Activity



Mouse IL-21R in inhibit the IFN-g secretion of the NK-92 human natural killer cells in the presence of mouse IL-21. The ED50 range $\leq 4 \mu\text{g/mL}$.

SDS-PAGE



3 μg by SDS-PAGE under reducing condition and visualized by coomassie blue

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