

Recombinant Mouse Interleukin 21 Receptor

Cat. No. IL21r-1763M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	Mammalian Cells
Description	Interleukin 21 Receptor belongs to the type I cytokine receptors, 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 (IL2) and interleukin 5 (IL5). 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. Knockout studies of a similar gene in mouse suggest a role for this gene in regulating immunoglobulin production. Three alternatively spliced transcript variants encoding the same protein have been described.
Molecular Weight	The predicted molecular weight of Recombinant Mouse IL-21 R is Mr 51.5 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 70-80 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.

 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

Endotoxin <0.1 ng per 1 g as determined by the LAL method.

Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name [IL21r interleukin 21 receptor \[Mus musculus \]](#)

Synonyms IL21r; interleukin 21 receptor; NILR

Gene ID [60504](#)

mRNA Refseq [NM_021887](#)

Protein Refseq [NP_068687](#)

UniProt ID [Q9JHX3](#)

Chromosome Location 7 F4

Pathway Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway

Function cytokine receptor activity; receptor activity; transmembrane receptor activity

 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