

Product datasheet for **TP727733**

IL21r Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Interleukin-21 Receptor/IL-21R (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Cys20-Pro236
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Interleukin-21 Receptor is produced by our Mammalian expression system and the target gene encoding Cys20-Pro236 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	60504
UniProt ID:	Q9JHX3
Synonyms:	Interleukin-21 receptor; IL-21 receptor; IL-21R; IL21r; Nilr
Summary:	Interleukin-21 receptor (IL-21R) is a type I transmembrane glycoprotein within the class I cytokine receptor family, type 4 subfamily. Both IL-21 and IL-4 are necessary for efficient B cell IgG1 production and normal germinal center architecture. B cell IL-21 R engagement induces Blimp-1(which mediates plasma cell differentiation), and is important for memory responses. IL-21R engagement on mouse NK cells enhances their cytotoxic activity and IFN- γ production. IL-21R engagement on CD8+ T cells aids control of viral infection and tumor growth. IL-21R is also necessary for sufficient numbers of regulatory T cells to combat chronic inflammation. IL-21R expression is often up-regulated in allergic skin inflammation, systemic lupus erythematosus and diffuse large B cell lymphoma (DLBCL).



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