

For Research Use Only

Recombinant Mouse IL-21R protein (mFc Tag)



Catalog Number: Eg4036

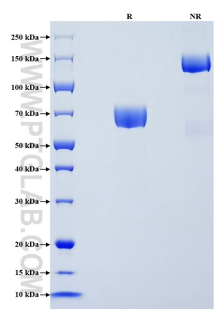
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: mFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Mouse IL-21R protein Cys20-Pro236 (Accession# Q9JHX3) with a mouse IgG Fc tag at the C-terminus. GeneID: 60504 Accession: Q9JHX3 Predicted Molecular Mass: 51.5 kDa SDS-PAGE: 60-80 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	IL21R, a receptor for interleukin-21, belongs to the type I cytokine receptor family. IL21R 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, 4, 7, 9, and 15. 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.		
References	1. Long D, et al. (2019) J Autoimmun. 99:1-14. 2. Illig D, et al. (2019) J Clin Immunol. 39(2):207-215. 3. Habib T, et al. (2003) J Allergy Clin Immunol. 112(6):1033-45.		
Synonyms	CD360, IL-21 receptor, IL21r, Interleukin-21 receptor, LR-beta		

For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Purity of Recombinant Mouse IL-21R was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.