

Recombinant Human IL-21R Protein (His Tag)

Catalog No. PKSH033365

Note: Centrifuge before opening to ensure complete recovery of vial contents.

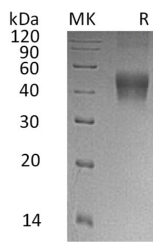
Description

Synonyms	Interleukin-21 receptor;IL-21 receptor;IL-21R;CD360.
Species	Human
Expression Host	HEK293 Cells
Sequence	Cys20-Pro236
Accession	Q9HBE5
Calculated Molecular Weight	26.0 kDa
Observed molecular weight	40-55 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Interleukin-21 receptor is also known as IL-21 receptor; IL-21R; CD360. In humans; it is encoded by the IL21R gene. It belongs to the type I cytokine receptor family. Type 4 subfamily contains 2 fibronectin type-III domains. Interleukin-21

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receptor is selectively expressed in lymphoid tissues and highly expressed in thymus and spleen. 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. It also promotes the anti-tumor activity of CD8+ T-cells and NK cells.