

## Recombinant Mouse IL21 Protein (His Tag)

Catalog Number: PDEM100266

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

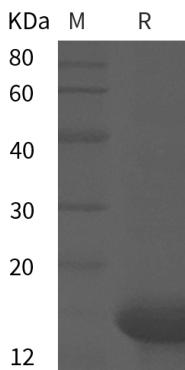
### Description

|               |  |
|---------------|--|
| Species       | Mouse  |
| Source        | E.coli-derived Mouse IL21 protein His18-Ser146, with an N-terminal His |
| Calculated MW | 14.1 kDa   |
| Observed MW   | 15 kDa   |
| Accession     | Q9ES17   |
| Bio-activity  | Not validated for activity   |

### Properties

|                |   |
|----------------|---|
| Purity         | > 95% as determined by reducing SDS-PAGE.   |
| Endotoxin      | < 10 EU/mg 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 in PBS with 5% Trehalose and 5% Mannitol.   |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.  |

### Data



### Background

Interleukin-21 also known as IL-21 is a protein that in mouse is encoded by the IL21 gene, belongs to the IL-15/IL-21 family. Interleukin-21 is a cytokine that has potent regulatory effects on cells of the immune system, including natural killer (NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells. This cytokine induces cell division/proliferation in its target cells.

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Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017