

## Recombinant Mouse IL7RA/CD127 Protein (Fc Tag)

Catalog Number: PKSM041242

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

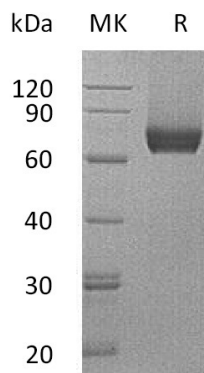
### Description

|                      |   |
|----------------------|---|
| <b>Species</b>       | Mouse   |
| <b>Source</b>        | HEK293 Cells-derived Mouse IL7RA/CD127 protein Glu21-Asp239, with an C-terminal Fc  |
| <b>Calculated MW</b> | 52.1 kDa  |
| <b>Observed MW</b>   | 61-75 kDa   |
| <b>Accession</b>     | P16872  |
| <b>Bio-activity</b>  | Loaded Human IL-7-His on HIS1K Biosensor, can bind Mouse IL-7RA-Fc with an affinity constant of 5.91 nM as determined in BLI assay. |

### Properties

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.   |
| <b>Storage</b>        | 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.  |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.   |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 10% Sucrose, 3% Glycine, 100mM NaCl, 0.1mM EDTA, 0.05% Tween 80, pH 8.0.<br>Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.  |

### Data



### Background

Interleukin 7 Receptor alpha (IL-7Rα), also known as CD127, is a 75 kDa hematopoietin receptor superfamily member that plays an important role in lymphocyte differentiation, proliferation, and survival. IL-7Rα is majorly expressed on T cells and their precursors, and early in B cell development as well, prior to the appearance of surface IgM. Dynamic regulation of IL-7Rα is important for the generation of appropriate immune responses.

### For Research Use Only