

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

**Catalog Number:** PKSM041242

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

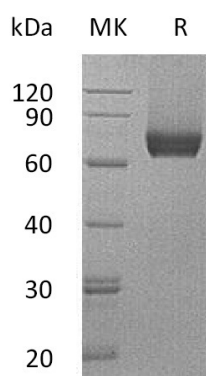
### Description

<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. 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.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



### Background

Interleukin 7 Receptor alpha (IL-7R $\alpha$ ), also known as CD127, is a 75 kDa hematopoietin receptor superfamily member that plays an important role in lymphocyte differentiation, proliferation, and survival. IL-7R $\alpha$  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-7R $\alpha$  is important for the generation of appropriate immune responses.

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