

## Recombinant Mouse IL-2RG/CD132 Protein (His Tag)

**Catalog Number:** PKSM041317

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

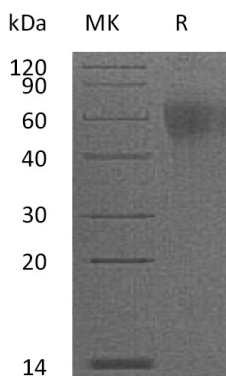
### Description

|                      |  |
|----------------------|--|
| <b>Species</b>       | Mouse  |
| <b>Source</b>        | HEK293 Cells-derived Mouse IL-2RG/CD132 protein Ser25-Ala263, with an C-terminal His |
| <b>Calculated MW</b> | 29 kDa   |
| <b>Observed MW</b>   | 45-75 kDa  |
| <b>Accession</b>     | Q3UPA9   |
| <b>Bio-activity</b>  | Not validated for activity   |

### 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, 150mM NaCl, pH 8.5. 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

The Interleukin-2 receptor gamma chain (IL-2 R $\gamma$ , CD132) of the high affinity functional mouse IL-2 receptor complex is a member the hematopoietin receptor family. It is expressed on most lymphocyte (white blood cell) populations, and its gene is found on the X-chromosome of mammals. Common IL2 receptor- $\gamma$  Chain is required for IL-2 receptor signaling. Besides IL-2, the Common IL2 receptor- $\gamma$  chain has been shown to be a component of the functional receptor complexes for IL-4, IL-7, IL-9 and IL-15. It is a component of multiple cytokine receptors that are essential for lymphocyte development and function. Common IL2 receptor- $\gamma$  Chain is also designated the common gamma chain.

### For Research Use Only

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