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# Recombinant Mouse Growth Hormone Receptor/GHR Protein (Fc Tag)

Catalog Number: PKSM041243

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

## Description

**Species** Mouse

Source HEK293 Cells-derived Mouse GHR protein Met1-Gln273, with an C-terminal Fc

 Calculated MW
 58.3 kDa

 Observed MW
 65-90 kDa

 Accession
 Q3UP14

**Bio-activity** 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 PBS, pH 7.4.

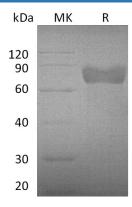
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants

before lyophilization.

Please refer to the specific buffer information in the printed manual.

**Reconstitution** Please refer to the printed manual for detailed information.

# Data



## Background

Growth hormone receptor is a transmembrane receptor for growth hormone (GH). GH is a single-chain polypeptide that is mainly synthesized and released from the anterior pituitary gland and plays essential roles in growth, development and metabolism. GH exerts its physiological actions via GH binding to its receptor in its extracellular domain. Binding of growth hormone to the receptor leads to receptor dimerization and the activation of an intra- and intercellular signal transduction pathway leading to growth. Growth hormone receptor has been shown to interact with SGTA, PTPN11, Janus kinase 2, Suppressor of cytokine signaling 1 and CISH.