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



Catalog Number: PKSM041243

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

Description

Synonyms growth hormone binding protein; growth hormone receptor; serum binding

protein;Somatotropin receptor;GHR;GH receptor;GHBP

Species Mouse

Expression Host

Sequence

Met1-Gln273

Accession

Q3UP14

Calculated Molecular Weight

Observed molecular weight

Tag

HEK293 Cells

Met1-Gln273

Q3UP14

58.3 kDa

65-90 kDa

C-Fc

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.

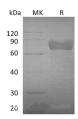
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

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



> 95 % as determined by reducing SDS-PAGE.

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.

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