

## 32-8669: Recombinant Mouse Growth Hormone Receptor/GHR/GHBP (C-Fc)

**Gene :** Ghr  
**Gene ID :** 14600  
**Uniprot ID :** Q3UP14

### Description

Source: Human Cells.  
MW :58.3kD.

Recombinant Mouse Growth Hormone receptor is produced by our Mammalian expression system and the target gene encoding Met1-Gln273 is expressed with a Fc tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MDLCQVFLTLALAVTSSTFSGSEATPATLGKASPVLQRINPSLGTSSSGKPRFTKCRSPELETFSYCWTEGDNPD LKTPGSIQLYYAKRESQRQAARIAHEWTQEWKECPDYVSAGKNSCYFNSSYTSIWIPYCIKLTNGDLLDQKCFT VDEIVQPDPPIGLNWTLNLSLTGIRGDIQVSWQPPNADVLKGWIILEYEQYKEVNESKWKVMGPWLTYPVY SLRMDKEHEVRVRSRQRSFEKYSEFSEVLRVIFPQTNILEACEEDIQVDDIEGRMDPEKSCDKTHTCPPCPAPEL LGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTV LHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWE SNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.