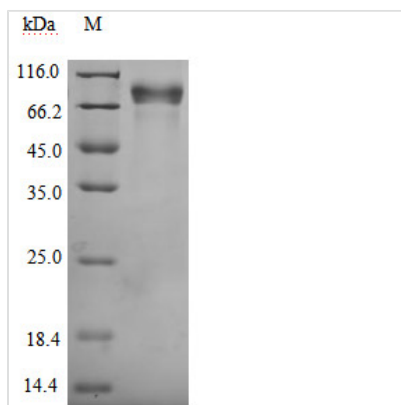


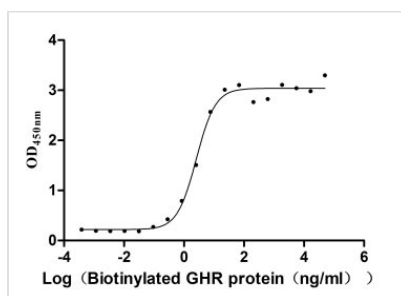


Recombinant Human Growth hormone receptor (GHR), partial, Biotinylated (Active)

Product Code	CSB-MP009411HUj1-B
Abbreviation	Recombinant Human GHR protein, partial, Biotinylated (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P10912
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized human GH1 (CSB-MP009407HU) at 2 µg/ml can bind Biotinylated human GHR, the EC ₅₀ is 2.067-3.208 ng/ml.
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	AILSRAPWSLQSVNPGLKTNSSKEPKFTKCRSPERETF SCHWTDEVHHGTKN LGPIQLFYTRRNTQEWTEWKECPDYVSAGENSCYFNSSFTSIWIPYCIKLTS NGGTVDKCFVDEIVQPDPIALNWTLNLSLTGIHADIQVRWEAPRNADIQK GWMVLEYELQYKEVNETKWKMMDPILTTSVPVYSLKVDKEYEVRVRSKQRNS GNYGEFSEVLVYVTLTPQMSQFTCEEDFY
Source	Mammalian cell
Target Names	GHR
Expression Region	27-264aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal mFc-Avi-tagged
Mol. Weight	56.6 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity

Measured by its binding ability in a functional ELISA. Immobilized human GH1 (CSB-MP009407HU) at 2 µg/ml can bind Biotinylated human GHR, the EC₅₀ is 2.067-3.208 ng/ml.

Description

The recombinant human GHR is an active protein expressed from mammalian cells, with a C-terminal mFc-Avi-tag. Its expression region is the DNA fragment encoding the amino acid residues 27-264 of the human GHR protein. The purity of this GHR protein is greater than 95% measured by SDS-PAGE. This recombinant GHR protein migrated to the band with a molecular weight of approximately 67 kDa on the gel. Its endotoxin level is less than 1.0 EU/ug determined by the LAL method. And its bioactivity has been validated in the ELISA. In the functional ELISA, this Biotinylated human GHR binds to the human GH1, with an EC₅₀ constant of 2.067-3.208 ng/ml. This biotinylated GHR protein could be used to isolate the GHR antibodies from the samples for subsequent analyses with high sensitivity. It is in stock now.

GHR, an amino acid dimeric receptor, is widely expressed in GH target cells. The GH–GHR–IGF1 axis plays significant roles in somatic growth, including cell proliferation, differentiation, division, cell cycle control, immunity, and survival. Aberrations in GHR signaling have been linked to various diseases and chronic conditions such as cancer, aging, and inflammation.

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.