Datasheet for ABIN7274745

Growth Hormone Receptor Protein (GHR) (AA 27-264) (His tag)

2 Images

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Overview

Quantity:	100 µg
Target:	Growth Hormone Receptor (GHR)
Protein Characteristics:	AA 27-264
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Growth Hormone Receptor protein is labelled with His tag.

Product Details

Purpose:	Human GHR/Growth Hormone R Protein
Sequence:	Ala27-Tyr264
Characteristics:	Recombinant Human GHR/Growth Hormone R Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Ala27-Tyr264.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Growth Hormone Receptor (GHR)
Alternative Name:	GHR (GHR Products)

Target Details

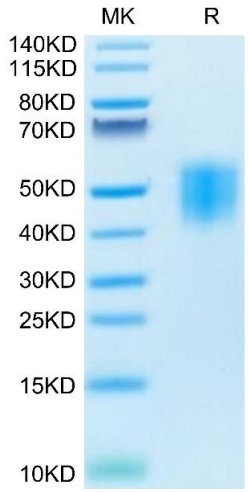
Background:	Pegvisomant, a growth hormone receptor (GHR) antagonist, is a well-known drug that was designed to treat acromegaly. However, recent studies have indicated that the GHR is a "moonlighting" protein that may exhibit dual functions based on its localization in the plasma membrane and nucleus.
Molecular Weight:	28.8 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Tris-Bis PAGE result.
Pathways:	NF-kappaB Signaling, JAK-STAT Signaling, Response to Growth Hormone Stimulus

Application Details

Restrictions:	For Research Use only

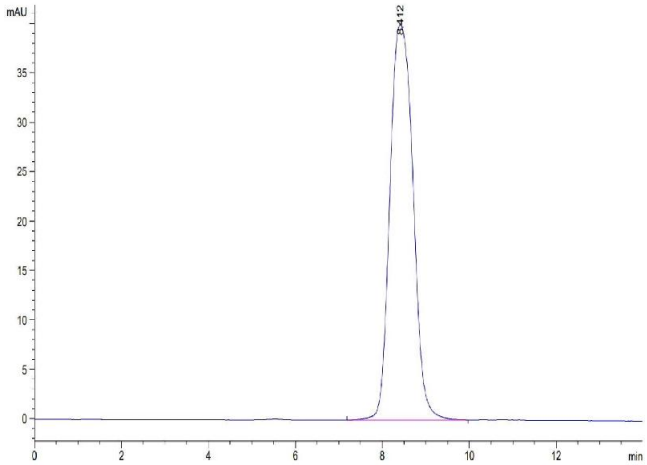
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human GHR on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human GHR is greater than 95 % as determined by SEC-HPLC.