

Datasheet for ABIN7281043

## Growth Hormone Receptor Protein (GHR) (AA 19-264) (His tag)



[Go to Product page](#)

### Overview

Quantity:	100 µg
Target:	Growth Hormone Receptor (GHR)
Protein Characteristics:	AA 19-264
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Growth Hormone Receptor protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

### Product Details

Sequence:	<p>FSGSEATAAI LSRAPWSLQS VNPGLKTNSS KEPKFTKCRS PERETFSCHW TDEVHHGTKN</p> <p>LGPIQLFYTR RNTQEWTEW KECPDYVSAG ENSCYFNSSF TSIWIPYCIK LTSNGGTVDE</p> <p>KCFSVDEIVQ PDPPIALNWT LLNVSLTGIH ADIQVRWEAP RNADIQKGWM VLEYELQYKE</p> <p>VNETKWKMMD PILTTSVPVY SLKVDKEYEV RVRSKQRNSG NYGEFSEVLY VTLPQMSQFT</p> <p>CEEDFYLEHH HHHH</p>
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	<p>Measured by ability to inhibit GH-induced proliferation assay using Nb2-11 Rat lymphoma cells in the presence of 1.25ng/ml of human growth hormone. The ED50 for this effect is equal or less than 10ng/ml.</p>

## Target Details

Target:	Growth Hormone Receptor (GHR)
Alternative Name:	Growth hormone receptor ( <a href="#">GHR Products</a> )
Background:	GHR, also known as growth hormone receptor, is a member of the cytokine receptor family. It binds two receptor molecules and thereby induces signal transduction through receptor dimerization. At high concentrations, growth hormone acts as an antagonist because of a large difference in affinities at the respective binding sites. This antagonist action can be enhanced further by reducing binding in the low affinity binding site. Recombinant human GHR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	29.4kDa (254aa) 28-40kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	<a href="#">NP_000154</a>
UniProt:	<a href="#">P10912</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">JAK-STAT Signaling</a> , <a href="#">Response to Growth Hormone Stimulus</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline ( pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.