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Product Information

MemDX™ Antibody Discovery - Rhesus macaque Growth Hormone R (19-264) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP0143F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Rhesus macaque Growth Hormone R (19-264). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Rhesus macaque

Target Protein
Growth Hormone R

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 54.7 kDa. The protein migrates as 66-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Phe 19 - Tyr 264 (Accession # P79194-1).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA

Expression Systems
HEK293

Tag
Human IgG1 Fc tag at the C-terminus

Protein Format
Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>90% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

Growth Hormone R

Full Name

growth hormone receptor

Introduction

This gene encodes a member of the type I cytokine receptor family, which is a transmembrane receptor for growth hormone. 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. Mutations in this gene have been associated with Laron syndrome, also known as the growth hormone insensitivity syndrome (GHIS), a disorder characterized by short stature. In humans and rabbits, but not rodents, growth hormone binding protein (GHBP) is generated by proteolytic cleavage of the extracellular ligand-binding domain from the mature growth hormone receptor protein. Multiple alternatively spliced transcript variants have been found for this gene.

Alternative Names

GHBP; GHIP; growth hormone receptor; GH receptor; growth hormone binding protein; serum binding protein; somatotropin receptor

Gene ID

697986

UniProt ID

P79194