

Product Information

MemDX™ Membrane Protein Human GHR (Growth hormone receptor) Full Length

Cat. No.: **MPC2479K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human GHR membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

GHR

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MDLWQLLLTLALAGSSDAFSGSEATAILSRAPWSLQSVNPGLKTNSSKE
PKFTKCRSPERETFSCHWTDVHHGTKNLGPIQLFYTRRNTQEWTEWKE
CPDYVSAGENSCYFNSSFTSIWIPYCIKLTSSNGGTVDKCFVDEIVQPD
PPIALNWTLLNVSLTGIHADIQVRWEAPRNADIQKGWMVLEYELQYKEVN
ETKWKMMDPILTTSVPVYSLKVDKEYEVRVRSKQRNSGNYGEFSEVLYVT
LPQMSQFTCEEDFYFPWLLIIIFGIFGLTVMLFVFLFSKQQRIMLILPP
VPVPKIKGIDPDLLKEGKLEEVNTILAIHDSYKPEFHSDDSWVEFIELDI
DEPDEKTEESDTRLLSSDHEKSHSNLGVKDGDSGRTSCCEPDILETDFN
ANDIHEGTSEVAQPQRLKGEADLLCLDQKNQNNSPYHDACPATQQPSVIQ
AEKNKPQPLPTEGAESTHQAHHIQLSNPSSLSNIDFYAQVSDITPAGSVV
LSPGQKNKAGMSQCDMHPMEMVSLCQENFLMDNAYFCEADAKKCIPVAPHI
KVESHIQPSLNQEDIYITTESLTAAAGRPGTGEHVPGSEMPVPDYTSIH
VQSPQGLILNATALPLPDKEFLSSCGYVSTDQLNKIMP

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

GHR

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

GHR; GHBP; GHIP; GH receptor; growth hormone binding protein; mutant growth hormone receptor; serum binding protein; somatotropin receptor; truncated growth hormone receptor; Growth hormone receptor

Gene ID

[2690](#)

UniProt ID

[P10912](#)