

# 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

MDLWQLLLTLALAGSSDAFGSEATAAILSRAPWSLQSVNPGLKTNSSKE  
PKFTKCRSPERETFSCHWTDEVHHGTKNLGPIQLFYTRRNTQEWTQEWKE  
CPDYVSAGENSCYFNSSFTSIWIPYCIKLTNGGTVDÉKCFSVDEIVQPD  
PPIALNWTLNVSLTGIHADIQVRWEAPRNADIQKGWMVLEYELQYKEVN  
ETKWKMDMDPILTTSPVPVYSLKVDKEYEVRRSKQRNSGNYGEFSEVLYVT  
LPQMSQFTCEEDFYFPWLIIIFGIFGLTVMLFVFLFSKQQRIKMLLPP  
VPVPKIKGIDPDLLKEGKLEEVNTILAIHDSYKPEFHSDDSWVEFIELDI  
DEPDEKTEESDTDRLLSSDHEKSHSNLGVKDGDSGRTSCCEPDILETDFN  
ANDIHEGTSEVAQPQRLKGEADLLCLDQKNQNNSPYHDACPATQQPSVIQ  
AEKNKPQPLPTEGAESTHQAAHQLSNPSSLNSNIDFYAQVSDITPAGSVV  
LSPGQKKNKAGMSQCDMHPEMVSCLCQENFLMDNAYFCEADAKKCIPIVAPHI  
KVESHIQPSLNQEDIYITTESLTTAAGRPGTGEHVPGSEMPVPDYTSIHI  
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](#)