

Product Information

MemDX™ Antibody Discovery - Human Prolactin R / PRLR (25-234) Membrane Protein, Partial, -His tag

Cat. No.: **MP0802F**

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

This membrane protein is Human Prolactin R / PRLR (21-1265). 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

Human

Target Protein

Prolactin R / PRLR

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 26.3 kDa. The protein migrates as 35-40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Gln 25 - Asp 234 (Accession # P16471-1).

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA

Expression Systems

HEK293

Tag

His 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

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM 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 conditions after reconstitution after storage at -80°C.

Target

Target Protein

Prolactin R / PRLR

Full Name

prolactin receptor

Introduction

This gene encodes a receptor for the anterior pituitary hormone, prolactin, and belongs to the type I cytokine receptor family. Prolactin-dependent signaling occurs as the result of ligand-induced dimerization of the prolactin receptor. Several alternatively spliced transcript variants encoding different membrane-bound and soluble isoforms have been described for this gene, which may function to modulate the endocrine and autocrine effects of prolactin in normal tissue and cancer.

Alternative Names

HPRL; MFAB; hPRLrI; RI-PRLR; prolactin receptor; hPRL receptor; secreted prolactin binding protein

Gene ID

[5618](#)

UniProt ID

[P16471](#)