

## Product Information

### **MemDX™ Membrane Protein Human GPRC5A (G protein-coupled receptor class C group 5 member A) Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX3439K**

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

This product is a Human GPRC5A membrane protein expressed *in vitro* E.coli expression system. 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

GPRC5A

##### Protein Length

Full Length

##### Protein Class

GPCR

##### TMD

7

##### Sequence

MATTVPDGCNRNGLKSKYYRLCDKAEAWGIVLETVATAGVVTSAFMLTLPILVCKVQDSNRRKMLPTQFLLLGVLGIFGLTFAFIIG

#### Product Description

##### Expression Systems

*in vitro* E.coli expression system

##### Tag

10xHis tag at the N-terminus

##### Protein Format

Soluble

##### Form

Liquid or Lyophilized powder

##### Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

### Target

#### Target Protein

GPRC5A

#### Full Name

G protein-coupled receptor class C group 5 member A

#### Introduction

This gene encodes a member of the type 3 G protein-coupling receptor family, characterized by the signature 7-transmembrane domain motif. The encoded protein may be involved in interaction between retinoid acid and G protein signalling pathways. Retinoic acid plays a critical role in development, cellular growth, and differentiation. This gene may play a role in embryonic development and epithelial cell differentiation.

#### Alternative Names

GPRC5A; RAI3; TIG1; RAIG1; GPCR5A; PEIG-1; retinoic acid-induced protein 3; G-protein coupled receptor family C group 5 member A; TPA induced gene 1; orphan G-protein-coupling receptor PEIG-1; phorbol ester induced gene 1; phorbol ester induced protein-1; retinoic acid induced 3; retinoic acid responsive; retinoic acid-induced gene 1 protein; G protein-coupled receptor class C group 5 member A

#### Gene ID

[9052](#)

#### UniProt ID

[Q8NFJ5](#)