

## Product Information

### **MemDX™ Membrane Protein Human GPRC5A (G protein-coupled receptor class C group 5 member A) Full Length**

Cat. No.: **MPC0179K**

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

This product is a 40.2 kDa Human GPRC5A 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

GPRC5A

##### Protein Length

Full length

##### Protein Class

GPCR

##### Molecular Weight

40.2 kDa

##### TMD

7

##### Sequence

MATTVPDGCNRNGLKSKYYRLCDKAEAWGIVLETVATAGVVTSSVAFMLTLP  
ILVCKVQDSNRRKMLPTQFLFLLGVLGIFGLTFAFIIGLDGSTGPTRFFL  
FGILFSICFSCLLAHAVSLTKLVRGRKPLSLLVILGLAVGFSLVQDVIAI  
EYIVLTMNRTNVNVFSELSAPRRNEDFVLLLTYYVFLMALTFLMSSFTFC  
GSFTGWKRHGAAHIYLTMLLSIAIWWAVITLLMLPDFDRRWDDTILSSALA  
ANGWVFLLAYVSPEFWLLTKQRNPMDDYPVEDAFCKPQLVKKSYGVENRAY  
SQEEITQGFEETGDTLYAPYSTHFQLQNQPPQKEFSIPRAHAWPSPYKDY  
EVKKEGS

#### Product Description

##### Expression Systems

HEK293

##### Tag

Based on specific requirements

### **Protein Format**

Detergent or based on specific requirements

### **Form**

Liquid

### **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**

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; GPRC5A; G protein-coupled receptor class C group 5 member A

### **Gene ID**

[9052](#)

### **UniProt ID**

[Q8NFJ5](#)