

## Product Information

### **MemDX™ Membrane Protein Human GPRC5B (G protein-coupled receptor class C group 5 member B) Full Length**

Cat. No.: **MPC0180K**

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

This product is a 44.7 kDa Human GPRC5B 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

GPRC5B

##### Protein Length

Full length

##### Protein Class

GPCR

##### Molecular Weight

44.7 kDa

##### TMD

7

##### Sequence

MFVASERKMRAHQVLTFLLLFVITSVAENASTSRGCGLDLLPQYVSLCD  
LDAIWGIVVEAVAGALITLLLMLILLVRLPFIKEKEKKSPVGLHFLFL  
LGTLLGLFGLTFAFIIQEDETICSVRRFLWGVLFALCFSCLLSQAWRVRRLL  
VRHGTGPAGWQLVGLALCLMLVQVIIAVEWLVLTVLRDTRPACAYEPMDF  
VMALIYDMVLLVVTLLGLALFTLCGKFKRWKLNAGALLITAFSLVLIWVAW  
MTMYLFGNVKLQQGDAWNPDLTALTAASGWVVFVIFHAIPEIHCTLLPAL  
QENTPNYFDTSQPRMRETAFEEDVQLPRAYMENKAFSMDEHNAAALRTAGF  
PNGSLGKRPSGSLGKRPSAPFRSNVYQPTEMAVVLNGGTIPTAPPSHTGR  
HLW

#### 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**

GPRC5B

### **Full Name**

G protein-coupled receptor class C group 5 member B

### **Introduction**

This gene encodes a member of the type 3 G protein-coupled receptor family. Members of this superfamily are characterized by a signature 7-transmembrane domain motif. The encoded protein may modulate insulin secretion and increased protein expression is associated with type 2 diabetes. Alternative splicing results in multiple transcript variants.

### **Alternative Names**

RAIG2; RAIG-2; G-protein coupled receptor family C group 5 member B; G protein-coupled receptor, family C, group 1, member B; retinoic acid responsive gene protein; retinoic acid-induced gene 2 protein; GPRC5B; G protein-coupled receptor class C group 5 member B

### **Gene ID**

[51704](#)

### **UniProt ID**

[Q9NZH0](#)