

# Product Information

## MemDX™ Membrane Protein Human INSIG2 (Insulin induced gene 2) Full Length

Cat. No.: **MPC4202K**

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

This product is a made-to-order Human INSIG2 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

INSIG2

#### Protein Length

Full length

#### Protein Class

Receptor

#### TMD

6

#### Sequence

MAEGETESPGPKKCGPYISSVTSQSVNLMIRGVVLFFIGVFLALVLNLLQ  
IQRNVTLPFPDVIASIFSSAWVPPCCGTASAVIGLLYPCIDRHLGEPHK  
FKREWSSVMRCVAVFVGINHASAKVDFDNNIQLSLTLAALSIGLWWTFDR  
SRSGFGLGVGIAFLATVVTQLLVYNGVYQYTSPDFLYVRSWLPICIFFAGG  
ITMGNIGRQLAMYECKVIAEKSHQE

### 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**

INSIG2

**Full Name**

Insulin induced gene 2

**Introduction**

The protein encoded by this gene is highly similar to the protein product encoded by gene INSIG1. Both INSIG1 protein and this protein are endoplasmic reticulum proteins that block the processing of sterol regulatory element binding proteins (SREBPs) by binding to SREBP cleavage-activating protein (SCAP), and thus prevent SCAP from escorting SREBPs to the Golgi.

**Alternative Names**

INSIG2; INSIG-2; insulin-induced gene 2 protein; INSIG2 membrane protein; insulin induced protein 2; Insulin induced gene 2

**Gene ID**

[51141](#)

**UniProt ID**

[Q9Y5U4](#)