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Product Information

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

Cat. No.: **MP0278J**
This product is for research use only and is not intended for diagnostic use.

This product is a 24.6 kDa Human INSIG2 membrane protein expressed in HEK293T. 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
Transmembrane

Molecular Weight
24.6 kDa

TMD
6

Sequence
MAEGETESPGPKKCGPYISSVTSQSVNLMIRGVVLFFIGVFLALVLNLLQIQRNVTLFPPDVIASIFSSA
WWVPPCCGTASAVIGLLYPCIDRHLGEPHKFKREWSSVMRCVAVFVGINHASAKVDFDNNIQLSLTLAAL
SIGLWWTFDRSRSGFGLGVGIAFLATVVTQLLVYNGVYQYTSPDFLYVRSWLPCIFFAGGITMGNIGRQL
AMYECKVIAEKSHQE

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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

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

Gene ID

51141

UniProt ID

Q9Y5U4