

Product Information

MemDX™ Membrane Protein Human TMIGD2 (Transmembrane and immunoglobulin domain containing 2)

Cat. No.: **MP0084J**

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

This product is a 30.5 kDa Human TMIGD2 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

TMIGD2

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

30.5 kDa

TMD

1

Sequence

MGSPGMVLGLLVQIWALQEASSLSVQQGNLLQVRQGSQATLVCQVDQATAWERLRVKWTKDGAILCQPY
ITNGSLSLGVCQPQGRLSWQAPSHLTLQLDPVSLNHSGAYVCWAAVEIPELEEAEGNITRLFVDPDDPTQ
NRNRIASFPGFLFVLLGVGSMGVAIVWGAWFWGRRSCQQRDSGNSPGNFYSNVLYRPRGPPKKSIEDCS
GEGKDQRGQSIYSTSFPQPAPRQPHLASRPCSPRPCSPRPGHPVSMVRVSPRPSPTQQPRPKGFPKVGE
EE

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**

TMIGD2

Full Name

Transmembrane and immunoglobulin domain containing 2

Introduction

Plays a role in cell-cell interaction, cell migration, and angiogenesis. Through interaction with HHLA2, costimulates T-cells in the context of TCR-mediated activation. Enhances T-cell proliferation and cytokine production via an AKT-dependent signaling cascade.

Alternative Names

CD28H; IGPR1; IGPR-1; CD28 homologue; immunoglobulin and proline-rich receptor 1; immunoglobulin-containing and proline-rich receptor 1; transmembrane and immunoglobulin domain-containing protein 2 variant 3; transmembrane and immunoglobulin domain-containing protein 2 variant 2

Gene ID

[126259](#)

UniProt ID

[Q96BF3](#)