

Product Information

MemDX™ Membrane Protein Human ORAI1 (ORAI calcium release-activated calcium modulator 1) Full Length

Cat. No.: **MPC1013K**

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

This product is a 32.6 kDa Human ORAI1 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

ORAI1

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

32.6 kDa

TMD

4

Sequence

MHPEPAPPPSRSSPELPPSGGSTTSGSRRSRRRSGDGEPPGAPPPPPSAV
TYPDWIGQSYSEVMSLNEHSMQALSWRKLYLSRAKLKASSRTSALLSGFA
MVAMVEVQLDADHDYPPGLLIAFSACTTVLVAVHLFALMISTCILPNIEA
VSNVHNLNSVKESPHERMHRHIELAWAFSTVIGTLLFLAEVVLLCWVKFL
PLKKQPGQPRPTSKPPASGAAANVSTSGITPGQAAAIASSTIMVPFGLIF
IVFAVHFYRSLVSHKTDRQFQELNELAEFARLQDQLDHRGDHPLTPGSHY
A

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**

ORAI1

Full Name

ORAI calcium release-activated calcium modulator 1

Introduction

The protein encoded by this gene is a membrane calcium channel subunit that is activated by the calcium sensor STIM1 when calcium stores are depleted. This type of channel is the primary way for calcium influx into T-cells. Defects in this gene are a cause of immune dysfunction with T-cell inactivation due to calcium entry defect type 1 (IDTICED1).

Alternative Names

ORAI1; IMD9; TAM2; ORAT1; CRACM1; TMEM142A; calcium release-activated calcium channel protein 1; calcium release-activated calcium modulator 1; protein orai-1; transmembrane protein 142A; ORAI calcium release-activated calcium modulator 1

Gene ID

[84876](#)

UniProt ID

[Q96D31](#)