

Product Information

MemDX™ Membrane Protein Human ORAI1 (ORAI calcium release-activated calcium modulator 1) Expressed *in vitro* E.coli expression system, Full Length

Cat. No.: **MPX2404K**

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

This product is a Human ORAI1 membrane protein expressed *in vitro* E.coli expression system. 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

Ion channel, Transport

TMD

4

Sequence

MHPEPAPPPSRSSPELPPSGGSTTSGSRRSRRRSGDGEPPGAPPPPPSAVTYPDWIGQSYSEVMSLNEHSMQALSWRKLYLSRA

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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](#)