

Product Information

MemDX™ Membrane Protein Human STIMATE (STIM activating enhancer)

Cat. No.: **MP0017J**

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

This product is a 33 kDa Human STIMATE 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

STIMATE

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

33 kDa

TMD

5

Sequence

MQGPAGNASRGLPGGPPSTVASGAGRCESGALMHSGIFLQGLLGVAFSTLMLKRFREPKHERRPWRIW
FLDTSKQAIGMLFIHFANVYLADLTEEDPCSLYLINFLLDATVGMLLIYVGVRVSVLVEWQQWESLRFG
EYGDPLQCGAWVGQCALYIVIMIFEKSVVFIVLLILQWKKVALLNPIENPDLKLAIVMLIVPFFVNALMF
WVDNFLMRKGKTKAKLEERGANQDSRNGSKVRYRRAASHEESESEILISADDEMEESDVEEDLRRLTPL
KPVKKKKHRFGLPV

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Powder

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**

STIMATE

Full Name

STIM activating enhancer

Introduction

Acts as a regulator of store-operated Ca^{2+} entry (SOCE) at junctional sites that connect the endoplasmic reticulum (ER) and plasma membrane (PM), called ER-plasma membrane (ER-PM) junction or cortical ER. SOCE is a Ca^{2+} influx following depletion of intracellular Ca^{2+} stores. Acts by interacting with STIM1, promoting STIM1 conformational switch. Involved in STIM1 relocalization to ER-PM junctions. Contributes to the maintenance and reorganization of store-dependent ER-PM junctions.

Alternative Names

TMEM110; DKFZp667E1121; DKFZp779M0254; FLJ37613; FLJ42395; MGC52022; store-operated calcium entry regulator STIMATE

Gene ID

[375346](#)

UniProt ID

[Q86TL2](#)