

Product Information

MemDX™ Membrane Protein Human STIM2 (Stromal interaction molecule 2) Full Length

Cat. No.: **MPC0944K**

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

This product is a 83.9 kDa Human STIM2 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

STIM2

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

83.9 kDa

TMD

1

Sequence

MLVLGLLVAGAADGCCELVPRHLRGRRATGSAATAASSPAAAAGDSPALMT
DPCMSLSPPCFTEEDRFSLEALQTIHKQMDDDKDGIEVEESDEFIREDM
KYKDATNKHSHLHREDKHITIEDLWKRWKTSEVHNWTLEDTLQWLIEFVE
LPQYEKNFRDNNVKGTTLPRIAVHEPSFMISQLKISDRSHRQKLQKALD
VVLFGPLTRPPHNWMKDFILTVSIVIGVGGCWFAYTQNKTSKEHVAKMMK
DLESQTAEQSLMDLQERLEKAQEENRNVAVEKQNLERKMMDEINYAKEE
ACRLRELREGAECELSRRQYAEQELEQVRMALKKAEKEFELRSSWSVPDA
LQKWLQLTHEVEVQYNNIKRQNAEMQLAIKDEAEKIKKKRSTVFGTLHV
AHSSSLDEVDPHLEAKKALSELTTCLRERLFRWQQIEKICGFQIAHNSG
LPSLTSSLYSDHSWVMPRVSIIPPYIAGGVDDLDEDTPIIVSQFPGTMA
KPPGSLARSSSLCRSRRSIVPSSPQPQRAQLAPHAPHPSHPRHPHPQHT
PHSLSPDPDILSVSSCPALYRNEEEEEAIYFSAEKQWEVPDTASECDSL
NSSIGRKQSPPLSLEIYQTLSPRKISRDEVSLDSSRGDSPVTVDVSWGS
PDCVGLTETKSMIFSPASKVYNGILEKSCSMNQLSSGIPVPKPRHTSCSS
AGNSKPVQEAPSVARISSIPHDLCHNGEKSCKPSKIKSLFKKSK

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 -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

STIM2

Full Name

Stromal interaction molecule 2

Introduction

This gene is a member of the stromal interaction molecule (STIM) family and likely arose, along with related family member STIM1, from a common ancestral gene. The encoded protein functions to regulate calcium concentrations in the cytosol and endoplasmic reticulum, and is involved in the activation of plasma membrane Orai Ca(2+) entry channels. This gene initiates translation from a non-AUG (UUG) start site. A signal peptide is cleaved from the resulting protein. Multiple transcript variants result from alternative splicing.

Alternative Names

Stromal interaction molecule 2; STIM2; Stromal interaction molecule 2

Gene ID

[57620](#)

UniProt ID

[Q9P246](#)