

Product Information

MemDX™ Membrane Protein Human SLC8A3 (Solute carrier family 8 member A3) Full

Length

Cat. No.: **MPC0916K**

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

This product is a 103 kDa Human SLC8A3 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

SLC8A3

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

103 kDa

TMD

11

Sequence

MAWLRLQPLTSAFLHFGLVTFVFLNGLRAEAGGSGDVPSTGQNNESCSG
SSDCKEGVILPIWYPENPSLGDKIARVIVYFVALIYMFLGVSIIADRFMA
SIEVITSQEREVTIKKPNGETSTTTIRVWNETVSNLTLMALGSSAPEILL
SLIEVCGHGFAGDLGPSTIVGSAAFNMFIIIGICVYVIPDGETRRIKHL
RVFFITAAWSIFAYIWLYMILAVFSPGVVQVWEGLLTLFFFPVCVLLAWV
ADKRLLFYKYMHHKYRTDKHRGIIETEGDHPKGIEMDGKMMNSHFLDGN
LVPLEGKEVDESRRMIRILKDLKQKHPEKDLQLVEMANYALSHQQKS
RAFYRIQATRMMTGAGNILKKHAAEQAKKASSMSEVHTDEPEDFISKVFF
DPCSYQCLENCGAVLLTVVRKGGDMSKTMVVDYKTEDGSANAGADYEFTE
GTVVLKPGETQKEFSVGIIDDDIFEDEHFFVRLSNVRIEEEQPEEGMPP
AIFNSLPLPRAVLASPCVATVTILDHAGIFTFECDTIHVSESIGVMEV
KVLRTSGARGTVIVPFRTVEGTAKGGGEDFEDTYGELEFKNDET VKTIRV
KIVDEEEYERQENFFIALGEPKWMERGISALLSPDVTDRKLTMEEEEA
RIAEMGKPVLGHPKLEVIIIESEYEFKTTVDKLIKTNLALVVGTHSWRD
QFMEAITVSAAGDEDEDESGEERLPSCFDYVMHFLT VFWKVL FACVPPT
YCHGWACFAVSILIIGMLTAIIGDLASHFGCTIGLKDSVTAVVFVAFGTS
VPDTFASKAAALQDVYADASIGNVTGSNAVNVFLGIGLAWSVAIIYWALQ
GQEFHVSAGTLAFSVTLFTIFAFVCISVLLYRRRPHLGGELGGPRGCKLA
TTWLFVSLWLLYILFATLEAYCYIKGF

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

SLC8A3

Full Name

Solute carrier family 8 member A3

Introduction

This gene encodes a member of the sodium/calcium exchanger integral membrane protein family. Na⁺/Ca²⁺ exchange proteins are involved in maintaining Ca²⁺ homeostasis in a wide variety of cell types. The protein is regulated by intracellular calcium ions and is found in both the plasma membrane and intracellular organellar membranes, where exchange of Na⁺ for Ca²⁺ occurs in an electrogenic manner. Alternative splicing has been observed for this gene and multiple variants have been described.

Alternative Names

NCX3; sodium/calcium exchanger 3; Na⁽⁺⁾/Ca⁽²⁺⁾-exchange protein 3; sodium/calcium exchanger SLC8A3; solute carrier family 8 (sodium/calcium exchanger), member 3; SLC8A3; Solute carrier family 8 member A3

Gene ID

[6547](#)

UniProt ID

[P57103](#)