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Product Information

MemDX™ Membrane Protein Human HVCN1 (Hydrogen voltage gated channel 1) for Antibody Discovery

Cat. No.: **MP0874J**
This product is for research use only and is not intended for diagnostic use.

This product is a 31.5 kDa Human HVCN1 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
HVCN1

Protein Length
Full-length

Protein Class
Druggable Genome, Transmembrane

Molecular Weight
31.5 kDa

TMD
4

Sequence
MATWDEKAVTRRAKVAPAERMSKFLRHFTVVGDDYHAWNINYKKWENEEEEEEEEQPPPTPVSGEEGRAA
APDVAPAPGPAPRAPLDFRGMLRKLFSSHRFQVIIICLVVLDALLVLAELILDLKIIQPDKNNYAAMVFH
YMSITILVFFMMEIIFKLFVFRLEFFHHKFEILDAVVVVVSFILDIVLLFQEHQFEALGLLILLRLWRVA
RIINGIIISVKTRSERQLLRLKQMNVQLAAKIQHLEFSCSEKEQEIERLNKLLRQHGLLGEVN

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

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

HVCN1

Full Name

Hydrogen voltage gated channel 1

Introduction

This gene encodes a voltage-gated protein channel protein expressed more highly in certain cells of the immune system. Phagocytic cells produce superoxide anions which require this channel protein, and in B cells this same process facilitates antibody production. This same channel protein, however, can also regulate functions in other cells including spermatozoa. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

HV1; VSOP

Gene ID

84329

UniProt ID

Q96D96

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