

# Product Information

## MemDX™ Membrane Protein Human HVCN1 (Hydrogen voltage gated channel 1) Full Length

Cat. No.: **MPC1000K**

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

This product is a 31.6 kDa Human HVCN1 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

HVCN1

#### Protein Length

Full length

#### Protein Class

Transporter; Ion channel

#### Molecular Weight

31.6 kDa

#### TMD

4

#### Sequence

MATWDEKAVTRRAKVAPAERMSKFLRHFTVVGDDYHAWNINYYKKWENEEE  
EEEEEQPPPTPVSGEEGRAAAPDVAPAPGPAPRAPLDFRGMLRKLFSSHR  
FQVIIICLVLDALLVLAELLDLKIIQPDKNNYAAMVFHYMSITILVFF  
MMEIIFKLFVFRLEFFHHKFEILDVVVVVSFILDIVLLFQEHQFEALGL  
LILLRLWRVARIINGIIISVKTRSERQLRLKQMNVQLAAKIQHLEFSCS  
EKEQEIERLNKLLRQHGLLGEVN

### 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 -70°C or lower. Avoid freeze/thaw cycles.

**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**

HVCN1; HV1; VSOP; voltage-gated hydrogen channel 1; voltage sensor domain-only protein; Hydrogen voltage gated channel 1

**Gene ID**

[84329](#)

**UniProt ID**

[Q96D96](#)