

# Product Information

## MemDX™ Membrane Protein Human ASIC1 (Acid sensing ion channel subunit 1) for

### Antibody Discovery

Cat. No.: **MP0016X**

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

This product is a 86.3 kDa Human ASIC1 membrane protein expressed in *in vitro* wheat germ expression system. 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

ASIC1

#### Protein Length

Full-length

#### Molecular Weight

86.3 kDa

#### TMD

2

#### Sequence

MELKAEVEEVGGVQPVSIQAFASSSTLHGLAHIFS YERLSLKRALWALCFLGSLAVLLCVCTERVQYYFHYHHVTKLDEVAASQLTF

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Form

Liquid

#### Purification

Glutathione Sepharose 4 Fast Flow

**Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

ASIC1

**Full Name**

Acid sensing ion channel subunit 1

**Introduction**

This gene encodes a member of the acid-sensing ion channel (ASIC) family of proteins, which are part of the degenerin/epithelial sodium channel (DEG/ENaC) superfamily. Members of the ASIC family are sensitive to amiloride and function in neurotransmission. The encoded proteins function in learning, pain transduction, touch sensation, and development of memory and fear. Alternatively spliced transcript variants have been described.

**Alternative Names**

ASIC; ASIC1; ASIC1A; BNaC2; hBNaC2; Cation channel, amiloride-sensitive, neuronal, 2,acid-sensing ion channel 1a protein

**Gene ID**

[41](#)

**UniProt ID**

[P78348](#)