

## Product Information

### MemDX™ Membrane Protein Human GJC1 (Gap junction protein gamma 1) Full Length

Cat. No.: **MPC0536K**

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

This product is a 45.4 kDa Human GJC1 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

GJC1

##### Protein Length

Full length

##### Protein Class

Transporter

##### Molecular Weight

45.4 kDa

##### TMD

4

##### Sequence

MSWSFLTRLLEEIHNHSTFVGKIWLTVLIVFRIVLTAVGGESIYYDEQSK  
FVCNTEQPGCENVCYDAFAPLSHVRFWVFQIILVATPSVMYLGAIHKIA  
KMEHGEADKKAARSKPYAMRWKQHRALEETEEDNEEDPMMYPEMELESDK  
ENKEQSQPKPKHDGRRRIREDGLMKIYVLQLLARTVFEVGLIGQYFLYG  
FQVHPFYVCSRLPCPHKIDCFISRPTEKTIFLLIMYGVTGLCLLLNIWEM  
LHLGFGTIRDSLNSKRRELEDPGAYNYPFTWNTPSAPPGYNIYKPDQIQ  
YTELSNAKIAYKQNKANTAQEQYGSHEENLPADLEALQREIRMAQERLD  
LAVQAYSHQNNPHGPREKKAKVGSKAGSNKSTASSKSGDGKTSVWI

#### 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**

GJC1

**Full Name**

Gap junction protein gamma 1

**Introduction**

This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Alternatively spliced transcript variants encoding the same isoform have been described.

**Alternative Names**

CX45; GJA7; gap junction gamma-1 protein; CTC-296K1.4; connexin-45; gap junction alpha-7 protein; gap junction protein, gamma 1, 45kDa; GJC1; Gap junction protein gamma 1

**Gene ID**

[10052](#)

**UniProt ID**

[P36383](#)