

## Product Information

### **MemDX™ Membrane Protein Human GJB4 (Gap junction protein beta 4 expressed in HEK293T) for Antibody Discovery**

Cat. No.: **MP1028J**

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

This product is a 30.2 kDa Human GJB4 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**

GJB4

##### **Protein Length**

Full-length

##### **Protein Class**

Ion Channels: Other, Transmembrane

##### **Molecular Weight**

30.2 kDa

##### **TMD**

4

##### **Sequence**

MNWAFLQGLLSGVNKYSTVLSRIWLSVVFIFRVLVYVVAEEVWDDEQKDFVCNTKQPGCPNVCYDEFFP  
VSHVRLWALQLILVTCPSLLVMHVAYREERERKHHLKHGPNAPSLYDNLSKKRGGLWWTYLLSLIFKAA  
VDAGFLYIFHRLYKDYDMPRVVACSVPCPHTVDCYISRPTEKKVFTYFMVTTAAICILLNLSEVFYLVG  
KRCMEIFGPRHRRPRCRECLPDTCPYVLSQGGHPEDGNSVLMKAGSAPVDAGGYP

#### 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**

GJB4

**Full Name**

Gap junction protein beta 4

**Introduction**

This gene encodes a transmembrane connexin protein that is a component of gap junctions. Mutations in this gene have been associated with erythrokeratoderma variabilis, progressive symmetric erythrokeratoderma and hearing impairment.

**Alternative Names**

EKV; EKVP2; CX30.3

**Gene ID**

[127534](#)

**UniProt ID**

[Q9NTQ9](#)