

# Product Information

## MemDX™ Membrane Protein Human P2RX4 (Purinergic receptor P2X 4) Full Length

Cat. No.: **MPC0683K**

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

This product is a 43.3 kDa Human P2RX4 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

P2RX4

#### Protein Length

Full length

#### Protein Class

Transporter; Ion channel

#### Molecular Weight

43.3 kDa

#### TMD

2

#### Sequence

MAGCCAALAAFLFEYDTPRIVLIRSRKVGLMNRAVQLLILAYVIGWVFW  
EKGYQETDSVSVSSVTTKVKGVAVTNTSKLGFRIWDVADYVIPAQEENSLF  
VMTNVILTMNQTTQGLCPEIPDATTVCKSDASCTAGSAGTHSNGVSTGRCV  
AFNGSVKTCCEVAAWCPVEDDTHVPQPAFLKAAENFTLLVKNNIWYPKFNF  
SKRNILPNITTTTLKSCIYDAKTDPFPCPIFRLGKIVENAGHSFQDMAVEG  
GIMGIQVNWDCNLDRAASLCLPRYSFRRLDTRDVEHNVSPGYNFRFAKYY  
RDLAGNEQRTLKAYGIRFDIIVFGKAGKFDIPTMINIGSGLALLGMAT  
VLCDIIVLYCMKKRLYYREKKYKYVEDYEQGLASELDQ

### 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**

P2RX4

**Full Name**

Purinergic receptor P2X 4

**Introduction**

The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with high calcium permeability. The main pharmacological distinction between the members of the purinoceptor family is the relative sensitivity to the antagonists suramin and PPADS. The product of this gene has the lowest sensitivity for these antagonists. Multiple alternatively spliced transcript variants, some protein-coding and some not protein-coding, have been found for this gene.

**Alternative Names**

P2X4; P2X4R; P2X purinoceptor 4; ATP receptor; ATP-gated cation channel protein; P2X receptor, subunit 4; purinergic receptor P2X, ligand gated ion channel, 4; purinergic receptor P2X4; purinoceptor P2X4; P2RX4; Purinergic receptor P2X 4

**Gene ID**

[5025](#)

**UniProt ID**

[Q99571](#)