

# Product Information

## MemDX™ Membrane Protein Human P2RX2 (Purinergic receptor P2X 2) for Antibody

### Discovery

Cat. No.: **MP0986X**

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

This product is a 71.2 kDa Human P2RX2 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

P2RX2

#### Protein Length

Full-length

#### Molecular Weight

71.2 kDa

#### TMD

2

#### Sequence

MAAAQPKYPAGATARRLARGCWSALWDYETPKVIVVRNRRLGVLYRAVQLLILLYFVWYVFIVQKSYQESETGPESSIITKVKGITTS

### 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**

P2RX2

**Full Name**

Purinergic receptor P2X 2

**Introduction**

The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Multiple transcript variants encoding distinct isoforms have been identified for this gene.

**Alternative Names**

P2X2; DFNA41; P2X purinoceptor 2; ATP receptor; P2X Receptor, subunit 2; purinergic receptor P2X, ligand gated ion channel, 2

**Gene ID**

[22953](#)

**UniProt ID**

[Q9UBL9](#)