

# Product Information

## **MemDX™ Membrane Protein Human P2RX7 (Purinergic receptor P2X 7) Expressed in Wheat germ, Full Length**

Cat. No.: **MPX0012K**

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

This product is a 85 kDa Human P2RX7 membrane protein expressed in Wheat germ. 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**

P2RX7

#### **Protein Length**

Full length

#### **Protein Class**

Transporter; Ion channel

#### **Molecular Weight**

85 kDa

#### **TMD**

2

#### **Sequence**

MPACCSGSDVFQYETNKVTRIQSMNYGTIKWFFHVIIFS YVCFALVSDKLYQRKEPVISSVHTKVKGIAEVKEEIVENGVKKLVHVSF

### Product Description

#### **Expression Systems**

Wheat germ

#### **Tag**

GST tag at N-Terminus

#### **Protein Format**

Soluble

#### **Form**

Liquid

**Endotoxin**

<0.1 EU/μg by the LAL method

**Buffer**

pH: 8.00, Constituents: 0.31% Glutathione, 0.79% Tris HCl

**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**

P2RX7

**Full Name**

Purinergic receptor P2X 7

**Introduction**

The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression. Multiple alternatively spliced variants have been identified, most of which fit nonsense-mediated decay (NMD) criteria.

**Alternative Names**

P2X7; P2X purinoceptor 7; ATP receptor; P2X7 receptor; P2Z receptor; purinergic receptor P2X, ligand gated ion channel, 7; purinergic receptor P2X7 variant A; purnergic receptor P2X 7; P2RX7; Purinergic receptor P2X 7

**Gene ID**

[5027](#)

**UniProt ID**

[Q99572](#)