

Product Information

MemDX™ Membrane Protein Human P2RX4 (Purinergic receptor P2X 4) expressed by *in vitro* wheat germ expression system for Antibody Discovery

Cat. No.: **MP0987X**

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

This product is a 68.42 kDa Human P2RX4 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

P2RX4

Protein Length

Full-length

Molecular Weight

68.42 kDa

TMD

2

Sequence

MAGCCAALAAFLFEYDTPRIVLIRSRKVGLMNRVQLLILAYVIGWVFVWEKGYQETDSVSSVTTKVKGVAATNTSKLGFRWDVA

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

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**

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

Gene ID

[5025](#)

UniProt ID

[Q99571](#)