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Product Information

MemDX™ Membrane Protein Human P2RX7 (Purinergic receptor P2X 7) for Antibody Discovery

Cat. No.: **MP0989X**
This product is for research use only and is not intended for diagnostic use.

This product is a 94.9 kDa Human P2RX7 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
P2RX7

Protein Length
Full-length

Molecular Weight
94.9 kDa

TMD
2

Sequence
MPACCSCSDVFQYETNKVTRIQSMNYGTIKWFFHVIIFSYVCFALVSDKLYQRKEPVISSVHTKVKGIAEVKEEIVENGVKKLVHSVFD

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

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

Gene ID

5027

UniProt ID

Q99572

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