

Product Information

MemDX™ Membrane Protein Human P2RY1 (Purinergic receptor P2Y1) Full Length

Cat. No.: **MPC0213K**

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

This product is a 42 kDa Human P2RY1 membrane protein expressed in Baculovirus/Insect 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

P2RY1

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

42 kDa

TMD

7

Sequence

MTEVLWPAVPNGTDAAFLAGPGSSWGNSTVASTAAVSSSFKCALTKTGFQ
FYLLPAVYILVFIIGFLGNSVAIWMFVFHMKPWSGISVYMFNLALADFLY
VLTLPALIFYFNKTDWIFGDAMCKLQRFIFHVNLYGSILFLTCISAHRY
SGVVYPLKSLGRLKKKNAICISVLVWLIVVVAISPILFYSGTGVRKNKTI
TCYDTTSDEYLRSYFIYSMCTTVAMFCVPLVLILGCGYGLIVRALIYKDLD
NSPLRRKSIYLVIVLTVFAVSYIPFHVMTMNLRARLDFQTPAMCAFND
RVYATYQVTRGLASLNSCVDPILYFLAGDTFRRRLSRATRKASRRSEANL
QSKSEDMTLNILPEFKQNGDTSL

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag tag at N-terminal and 10xHis tag at C-terminal

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**

P2RY1

Full Name

Purinergic receptor P2Y1

Introduction

The product of this gene belongs to the family of G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor functions as a receptor for extracellular ATP and ADP. In platelets binding to ADP leads to mobilization of intracellular calcium ions via activation of phospholipase C, a change in platelet shape, and probably to platelet aggregation.

Alternative Names

P2Y1; SARCC; ADP receptor; ATP receptor; P2 purinoceptor subtype Y1; platelet ADP receptor; purinergic receptor P2Y, G-protein coupled, 1; suppressing androgen receptor in renal cell carcinoma; P2RY1; Purinergic receptor P2Y1

Gene ID

[5028](#)

UniProt ID

[P47900](#)