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Product Information

MemDX™ Membrane Protein Human P2RY2 (Purinergic receptor P2Y2) Full Length

Cat. No.: **MPC0219K**
This product is for research use only and is not intended for diagnostic use.

This product is a 42.2 kDa Human P2RY2 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
P2RY2

Protein Length
Full length

Protein Class
GPCR

Molecular Weight
42.2 kDa

TMD
7

Sequence
MAADLGPWNDTINGTWDGDELGYRCRFNEDFKYVLLPVSYGVVCVPGLCL
NAVALYIFLCRLKTWNASTTYMFHLAVSDALYAASLPLLVYYYARGDHWP
FSTVLCKLVRFLFYTNLYCSILFLTCISVHRCLGVLRPLRSLRWGRARYA
RRVAGAVWVLVLACQAPVLYFVTTSARGGRVTCHDTSAPELFSRFVAYSS
VMLGLLFAVPFAVILVCYVLMARRLLKPAYGTSGGLPRAKRKSVRTIAVV
LAVFALCFLPFHVTRTLYYSFRSLDLSCHTLNAINMAYKVTRPLASANSC
LDPVLYFLAGQRLVRFARDAKPPTGPSPATPARRRLGLRRSDRTDMQRIE
DVLGSSEDSRRTESTPAGSENTKDIRL

Product Description

Expression Systems
Baculovirus/Insect expression system

Tag
Based on specific requirements

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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

P2RY2

Full Name

Purinergic receptor P2Y2

Introduction

The product of this gene belongs to the family of P2 receptors, which is activated by extracellular nucleotides and subdivided into P2X ligand-gated ion channels and P2Y 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, found on many cell types, is activated by ATP and UTP and is reported to be overexpressed on some cancer cell types. It is involved in many cellular functions, such as proliferation, apoptosis and inflammation. Three transcript variants encoding the same protein have been identified for this gene.

Alternative Names

P2U; HP2U; P2U1; P2UR; P2Y2; P2RU1; P2Y2R; P2Y purinoceptor 2; ATP receptor; P2U nucleotide receptor; P2U purinoceptor 1; P2U receptor 1; purinergic receptor P2Y, G-protein coupled, 2; purinoceptor P2Y2; P2RY2; Purinergic receptor P2Y2

Gene ID

5029

UniProt ID

P41231

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