

Product Information

MemDX™ Membrane Protein Human P2RY6 (Pyrimidinergic receptor P2Y6) Full Length

Cat. No.: **MPC0221K**

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

This product is a 36.4 kDa Human P2RY6 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

P2RY6

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

36.4 kDa

TMD

7

Sequence

MEWDNGTGQALGLPPTTCVYRENFKQLLLPPVYSAVLAAGLPLNICVITQ
ICTSRRALTRTAVYTLNLALADLLYACSLPLLIYNYAQGDHWPFQDFACR
LVRFLFYANLHGSILFTCSISFQRYLGICHPLAPWHKRGGRRAAWLVCVA
VWLAVTTQCLPTAIFAATGIQRNRTVCYDLSPALATHYMPYGMALTVIG
FLLPFAALLACYCLLACRLCRQDGAEPVAQERRGKAARMAVVVAAAFAI
SFLPFHITKTAYLAVRSTPGVPCTVLEAFAAAYKGTRPFASANSVLDPIL
FYFTQKKFRRRPHELLQKLTAKWQRQGR

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

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**

P2RY6

Full Name

Pyrimidinergic receptor P2Y6

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, which is a G-protein coupled receptor, is responsive to UDP, partially responsive to UTP and ADP, and not responsive to ATP. It is proposed that this receptor mediates inflammatory responses. Alternative splicing results in multiple transcript variants that encode different protein isoforms.

Alternative Names

P2Y6; P2Y purinoceptor 6; G-coupled nucleotide receptor; P2 purinoceptor; P2Y6 receptor; pyrimidinergic receptor P2Y, G-protein coupled, 6; P2RY6; Pyrimidinergic receptor P2Y6

Gene ID

[5031](#)

UniProt ID

[Q15077](#)