

Product Information

MemDX™ Membrane Protein Human P2RX3 (Purinergic receptor P2X 3) Full Length

Cat. No.: **MPC0682K**

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

This product is a 44.2 kDa Human P2RX3 membrane protein expressed in HEK293. 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

P2RX3

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

44.2 kDa

TMD

2

Sequence

MNCISDFFTYETTKSVVVKSWTIGIINRVVQLLIISYFVGWVFLHEKAYQ
VRDTAIESSVVTKVKGSGLYANRVMDSYVTPPQGTSVFVIITKMIVTE
NQMQGFCPESEEKYRCVSDSQCGPERLPGGGILTGRCVNYSSVLRTCEIQ
GWCPTVEDTVETPIMMEAENFTIFIKNSIRFPLNFEEKGNLLPNLTARDM
KTCRFHPDKDPFCPILRVGDVVKFAGQDFAKLARTGGVLGIKIGWVCDLD
KAWDQCIPKYSFTRLDSVSEKSSVSPGYNFRFAKYKMEENGSEYRTLLKA
FGIRFDVLVYGNAGKFNIIPTIISVAAFTSVGVGTVLCDIILLNFLKGA
DQYKAKKFEEVNETTLKIAALTNPVYPSDQTTAEKQSTDGSAFSIGH

Product Description

Expression Systems

HEK293

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**

P2RX3

Full Name

Purinergic receptor P2X 3

Introduction

This gene encodes a member of the P2X purinergic receptor (purinoceptor) gene family which includes seven members (P2RX1 - P2RX7). P2X purinoceptors are a family of cation-permeable, ligand-gated ion channels that open in response to the binding of extracellular adenosine 5'-triphosphate (ATP). The encoded protein is a subunit of the trimeric P2X3 receptor ion channel which is expressed by sensory or autonomic neurons. A deficiency of the orthologous protein in mice is associated with reduced pain-related behavior and urinary bladder hyporeflexia.

Alternative Names

P2X3; P2X purinoceptor 3; ATP receptor; P2X receptor, subunit 3; purinergic receptor P2X, ligand gated ion channel, 3; purinergic receptor P2X3; purinoceptor P2X3; P2RX3; Purinergic receptor P2X 3

Gene ID

[5024](#)

UniProt ID

[P56373](#)