

Product Information

MemDX™ Membrane Protein Human P2RX3 (Purinergic receptor P2X 3) for Antibody

Discovery

Cat. No.: **MP0721J**

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

This product is a 44.1 kDa Human P2RX3 membrane protein expressed in HEK293T. 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

Druggable Genome, Ion Channels: ATP Receptors, Transmembrane

Molecular Weight

44.1 kDa

TMD

2

Sequence

MNCISDFFTYETTKSVVVKSWTIGIINRVVQLLIISYFVGWVFLHEKAYQVRDTAIESSVVTKVKGSGLY
ANRVMDVSDYVTPPQGTSVFVIITKMIVTENQMQGFCPESEEKYRCVSDSQCGPERLPGGGILTGRVCVNY
SSVLRTCEIQGWCPTEVDTVETPIMMEAENFTIFIKNSIRFPLNFEEKGNLLPNLTARDMKTCRFHPDKD
PFCPILRVGDVVKFAGQDFAKLARTGGVLGKIGWVCDLKAWDQCIPKYSFTRLDSVSEKSSVSPGYNF
RFAKYYKMENGSEYRLLKAFGIRFDVLVYGNAGKFNIPTIISVAAFTSVGVGTVLCDIILLNFLKGA
DQYKAKKFEEVNETTLKIAALTNPVYPSDQTTVEKQSTDSGAFSIGH

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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

Gene ID

[5024](#)

UniProt ID

[P56373](#)