

Product Information

MemDX™ Membrane Protein Human P2RX4 (Purinergic receptor P2X 4) for Antibody

Discovery

Cat. No.: **MP1212J**

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

This product is a 43.2 kDa Human P2RX4 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

P2RX4

Protein Length

Full-length

Protein Class

Druggable Genome, Ion Channels: ATP Receptors, Transmembrane

Molecular Weight

43.2 kDa

TMD

2

Sequence

MAGCCAALAAFLFEYDTPRIVLIRSRKVGLMNRAVQLLILAYVIGWVFWWEKGYQETDSVSSVTTKVKG
VAVTNTSKLGFRIWDVADYVIPAQEENSLFVMTNVILTMNQTTQGLCPEIPDATTVCKSDASCTAGSAGTH
SNGVSTGRCVAFNGSVKTCCEVAAWCPVEDDTHVPQPAFLKAAENFTLLVKNNIWYPKFNFYSKRNLPNIT
TTYLKSCIYDAKTDPFPCIFRLGKIVENAGHGFQDMAVEGGIMGIQVNWDCNLDRAASLCLPRYSFRRLD
TRDVEHNVSPGYNFRFAKYRYRDLAGNEQRTLIKAYGIRFDIIVFGKAGKFDIPTMINIGSGLALLGMAT
VLCDIIVLYCMKKRLYYREKKYKYVEDYEQGLASELDQ

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**

P2RX4

Full Name

Purinergic receptor P2X 4

Introduction

The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with high calcium permeability. The main pharmacological distinction between the members of the purinoceptor family is the relative sensitivity to the antagonists suramin and PPADS. The product of this gene has the lowest sensitivity for these antagonists. Multiple alternatively spliced transcript variants, some protein-coding and some not protein-coding, have been found for this gene.

Alternative Names

P2X4; P2X4R

Gene ID

[5025](#)

UniProt ID

[Q99571](#)