SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human P2RX7 (Purinergic receptor P2X 7) Full Length

Cat. No.: **MPC0686K**
This product is for research use only and is not intended for diagnostic use.

This product is a 68.5 kDa Human P2RX7 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
P2RX7

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
68.5 kDa

TMD
2

Sequence
MPACCSCSDVFQYETNKVTRIQSMNYGTIKWFFHVIIFSYVCFALVSDKL
YQRKEPVISSVHTKVKGIAEVKEEIVENGVKKLVHSVFDTADYTFPLQGN
SFFVMTNFLKTEGQEQRLCPEYPTRRTLCSSDRGCKKGWMDPQSKGIQTG
RCVVYEGNQKTCEVSAWCPIEAVEEAPRPALLNSAENFTVLIKNNIDFPG
HNYTTRNILPGLNITCTFHKTQNPQCPIFRLGDIFRETGDNFSDVAIQGG
IMGIEIYWDCNLDRWFHHCRPKYSFRRLDDKTTNVSLYPGYNFRYAKYYK
ENNVEKRTLIKVFGIRFDILVFGTGGKFDIIQLVVYIGSTLSYFGLAAVF
IDFLIDTYSSNCCRSHIYPWCKCCQPCVVNEYYYRKKCESIVEPKPTLKY
VSFVDESHIRMVNQQLLGRSLQDVKGQEVPRPAMDFTDLSRLPLALHDTP
PIPGQPEEIQLLRKEATPRSRDSPVWCQCGSCLPSQLPESHRCLEELCCR
KKPGACITTSELFRKLVLSRHVLQFLLLYQEPLLALDVDSTNSRLRHCAY
RCYATWRFGSQDMADFAILPSCCRWRIRKEFPKSEGQYSGFKSPY

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

P2RX7

Full Name

Purinergic receptor P2X 7

Introduction

The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression. Multiple alternatively spliced variants have been identified, most of which fit nonsense-mediated decay (NMD) criteria.

Alternative Names

P2X7; P2X purinoceptor 7; ATP receptor; P2X7 receptor; P2Z receptor; purinergic receptor P2X, ligand gated ion channel, 7; purinergic receptor P2X7 variant A; purnergic receptor P2X 7; P2RX7; Purinergic receptor P2X 7

Gene ID

5027

UniProt ID

Q99572

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