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Product Information

MemDX™ Membrane Protein Human P2RY12 (Purinergic receptor P2Y12) expressed in E.coli for Antibody Discovery

Cat. No.: **MP1365J**
This product is for research use only and is not intended for diagnostic use.

This product is a 39.4 kDa Human P2RY12 membrane protein expressed in E.coli. 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
P2RY12

Protein Length
Full-length

Protein Class
GPCR

Molecular Weight
39.4 kDa

TMD
7

Sequence
MQAVDNLTSAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFI
IFLKNTVISDLLMILTFPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITI
DRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKS
EFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFI
IIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFF
LCKSFRNSLISMLKCPNSATSLSQDNRKKEQDGGDPNEETPM

Product Description

Expression Systems
E.coli

Tag
N-10xHis

Form

Liquid or Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol
Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

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

Target

Target Protein

P2RY12

Full Name

Purinergic receptor P2Y12

Introduction

The product of this gene belongs to the family of 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 is involved in platelet aggregation, and is a potential target for the treatment of thromboembolisms and other clotting disorders. Mutations in this gene are implicated in bleeding disorder, platelet type 8 (BDPLT8). Alternative splicing results in multiple transcript variants of this gene.

Alternative Names

ADP glucose receptor; ADP-glucose receptor; ADPG R; ADPG-R; ADPGR; BDPLT8; G protein coupled receptor SP1999; Gi coupled ADP receptor HORK 3; Gi coupled ADP receptor HORK3; HORK 3; HORK3; P2RY 12; P2RY12; P2T(AC); P2Y 12; P2Y purinoceptor 12; P2Y(12)R; P2Y(AC); P2Y(ADP); P2Y(cyc); P2Y12; P2Y12 platelet ADP receptor; P2Y12_HUMAN; Platelet ADP receptor; Purinergic receptor P2RY12; Purinergic receptor P2Y G protein coupled 12; Purinergic receptor P2Y12; Putative G protein coupled receptor; SP 1999; SP1999

Gene ID

64805

UniProt ID

Q9H244

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