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Product Information

NativeExtract™ Human P2RY12 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX76**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human P2RY12 protein in native nanodisc form. The synthetic compound we developed can solubilize the P2RY12 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
P2RY12

Protein Length
Full length

Molecular Weight
39.4kDa

Sequence
Accession # Q9H244

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -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

HORK3; P2Y12; ADPG-R; BDPLT8; SP1999; P2T(AC); P2Y(AC); P2Y(12)R; P2Y(ADP); P2Y(cyc); P2Y purinoceptor 12; ADP-glucose receptor; G-protein coupled receptor SP1999; Gi-coupled ADP receptor HORK3; P2Y12 platelet ADP receptor; purinergic receptor P2RY12; purinergic receptor P2Y, G-protein coupled, 12; putative G-protein coupled receptor; P2RY12; Purinergic receptor P2Y12

Gene ID

64805

UniProt ID

Q9H244

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