Recombinant Human P2RY1 cell lysate

Cat. No. P2RY1-1267HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	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 functions as a receptor for extracellular ATP and ADP. In platelets binding to ADP leads to mobilization of intracellular calcium ions via activation of phospholipase C, a change in platelet shape, and probably to platelet aggregation.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	P2RY1 purinergic receptor P2Y, G-protein coupled, 1 [Homo sapiens]
Official Symbol	P2RY1
Synonyms	P2RY1; purinergic receptor P2Y, G-protein coupled, 1; P2Y purinoceptor 1; P2Y1; ATP receptor; platelet ADP receptor; P2 purinoceptor subtype Y1;

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Gene ID	5028
mRNA Refseq	NM_002563
Protein Refseq	NP_002554
MIM	601167
UniProt ID	P47900
Chromosome Location	3q25.2
Pathway	ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	A1 adenosine receptor binding; ADP binding; ATP binding; G-protein coupled purinergic nucleotide receptor activity; G-protein coupled receptor activity; protein heterodimerization activity; receptor activity; signal transducer activity;

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