

## Recombinant Human P2RY12 293 Cell Lysate

**Cat. No.** P2RY12-3491HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for purinergic receptor P2Y, G-protein coupled, 12 (P2RY12), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

<b>Gene Name</b>	P2RY12 purinergic receptor P2Y, G-protein coupled, 12 [ Homo sapiens ]
<b>Official Symbol</b>	P2RY12
<b>Synonyms</b>	P2RY12; purinergic receptor P2Y, G-protein coupled, 12; P2Y purinoceptor 12; HORK3; P2Y12; SP1999; ADP-glucose receptor; purinergic receptor P2RY12; P2Y12 platelet ADP receptor; Gi-coupled ADP receptor HORK3; G-protein coupled receptor SP1999; putative G-protein coupled receptor; ADPG-R; BDPLT8; P2T(AC); P2Y(AC); P2Y(ADP); P2Y(cyc);
<b>Gene ID</b>	64805
<b>mRNA Refseq</b>	NM_176876
<b>Protein Refseq</b>	NP_795345
<b>MIM</b>	600515
<b>UniProt ID</b>	Q9H244
<b>Chromosome Location</b>	3q24-q25
<b>Pathway</b>	ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A

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Rhodopsin-like, organism-specific biosystem; Hemostasis, organism-specific biosystem;

**Function**

ADP receptor activity; G-protein coupled adenosine receptor activity; guanyl-nucleotide exchange factor activity; receptor activity; signal transducer activity;

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