Recombinant Human P2RY12 293 Cell Lysate

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

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	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.
Components	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).
Size	0.1 mg
Storage Instruction	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.

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

GENE INFORMATION

Gene Name	P2RY12 purinergic receptor P2Y, G-protein coupled, 12 [Homo sapiens]
Official Symbol	P2RY12
Synonyms	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);
Gene ID	64805
mRNA Refseq	NM_176876
Protein Refseq	NP_795345
MIM	600515
UniProt ID	Q9H244
Chromosome Location	3q24-q25
Pathway	ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events,

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

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