Recombinant Human P2RY2 293 Cell Lysate

Cat. No. P2RY2-3487HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for purinergic receptor P2Y, G-protein coupled, 2 (P2RY2), 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	P2RY2 purinergic receptor P2Y, G-protein coupled, 2 [Homo sapiens]
Official Symbol	P2RY2
Synonyms	P2U; HP2U; P2U1; P2UR; P2Y2; P2RU1; P2Y2R
Gene ID	5029
mRNA Refseq	NM_002564
Protein Refseq	NP_002555
MIM	600041
UniProt ID	P41231
Chromosome Location	11q13.5-q14.1
Pathway	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;Gastrin-CREB signalling pathway via PKC and MAPK, organism-specific biosystem;Neuroactive ligand-receptor interaction, organism-specific biosystem;

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Function	A1 adenosine receptor binding;ATP binding;G-protein coupled purinergic nucleotide receptor activity;UTP-activated nucleotide receptor activity;receptor activity;

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