

Recombinant Human P2RX2 293 Cell Lysate

Cat. No. P2RX2-3501HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for purinergic receptor P2X, ligand-gated ion channel, 2 (P2RX2), transcript variant 1 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 P2RX2 purinergic receptor P2X, ligand-gated ion channel, 2 [Homo sapiens]

Official Symbol P2RX2

Synonyms P2RX2; purinergic receptor P2X, ligand-gated ion channel, 2; P2X purinoceptor 2; P2X2; ATP receptor; P2X Receptor, subunit 2; MGC129601;

Gene ID 22953

mRNA Refseq NM_012226

Protein Refseq NP_036358

MIM 600844

UniProt ID Q9UBL9

Chromosome Location 12q24.33

Pathway Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;

Function ATP binding; extracellular ATP-gated cation channel activity; extracellular ATP-gated

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cation channel activity; identical protein binding; ligand-gated ion channel activity; purinergic nucleotide receptor activity; purinergic nucleotide receptor activity; receptor activity;

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