

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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