

Recombinant Human P2RX2 293 Cell Lysate

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

SPECIFICATION

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.
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

 Tel: 1-631-559-9269 1-516-512-3133

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

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