

Recombinant Human P2RX7 293 Cell Lysate

Cat. No. P2RX7-3495HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for purinergic receptor P2X, ligand-gated ion channel, 7 (P2RX7) 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

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

GENE INFORMATION

Gene Name	P2RX7 purinergic receptor P2X, ligand-gated ion channel, 7 [Homo sapiens]
Official Symbol	P2RX7
Synonyms	P2RX7; purinergic receptor P2X, ligand-gated ion channel, 7; P2X purinoceptor 7; MGC20089; P2X7; ATP receptor; P2Z receptor; P2X7 receptor; purinergic receptor P2X7 variant A;
Gene ID	5027
mRNA Refseq	NM_002562
Protein Refseq	NP_002553
MIM	602566
UniProt ID	Q99572
Chromosome Location	12q24
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Immune System, organism-specific biosystem; Inflammasomes, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;

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Function

ATP binding; ATP binding; extracellular ATP-gated cation channel activity; ion channel activity; lipopolysaccharide binding; protein homodimerization activity; purinergic nucleotide receptor activity; receptor activity; receptor binding;

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