

Recombinant Human P2RX7 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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

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biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;

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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