Recombinant Human P2RX6 293 Cell Lysate

Cat. No. P2RX6-3496HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for purinergic receptor P2X, ligand-gated ion channel, 6 (P2RX6), 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	P2RX6 purinergic receptor P2X, ligand-gated ion channel, 6 [Homo sapiens]
Official Symbol	P2RX6
Synonyms	P2RX6; purinergic receptor P2X, ligand-gated ion channel, 6; P2RXL1, purinergic receptor P2X like 1, orphan receptor; P2X purinoceptor 6; MGC129625; P2X6; P2XM; ATP receptor; purinoceptor P2X6; purinoreceptor P2X6; skeletal muscle-expressed P2X; purinergic receptor P2X-like 1, orphan receptor; P2RXL1;
Gene ID	9127
mRNA Refseq	NM_001159554
Protein Refseq	NP_001153026
MIM	608077
UniProt ID	O15547
Chromosome Location	22q11.21
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;

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Function	ATP binding; ATP binding; channel activity; extracellular ATP-gated cation channel activity; extracellular ATP-gated cation channel activity; identical protein binding; ion channel activity; purinergic nucleotide receptor activity; purinergic nucleotide receptor activity; receptor activity; transmembrane signaling receptor activity;

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