

Recombinant Human KCNJ8 293 Cell Lysate

Cat. No. KCNJ8-5043HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for potassium inwardly-rectifying channel, subfamily J, member 8 (KCNJ8) 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	KCNJ8 potassium inwardly-rectifying channel, subfamily J, member 8 [Homo sapiens]
Official Symbol	KCNJ8
Synonyms	KCNJ8; potassium inwardly-rectifying channel, subfamily J, member 8; ATP-sensitive inward rectifier potassium channel 8; Kir6.1; inward rectifier K(+) channel Kir6.1; inwardly rectifying potassium channel KIR6.1; potassium channel, inwardly rectifying subfamily J member 8; KIR6.1; uKATP-1;
Gene ID	3764
mRNA Refseq	NM_004982
Protein Refseq	NP_004973
MIM	600935
UniProt ID	Q15842
Chromosome Location	12p12.1
Pathway	ATP sensitive Potassium channels, organism-specific biosystem; Inwardly rectifying K+ channels, organism-specific biosystem; Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem;

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Function

ATP binding; ATP-activated inward rectifier potassium channel activity; inward rectifier potassium channel activity; voltage-gated ion channel activity;

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