

Recombinant Human KCNE2 293 Cell Lysate

Cat. No. KCNE2-5065HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for potassium voltage-gated channel, Isk-related family, member 2 (KCNE2) 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	KCNE2 potassium voltage-gated channel, Isk-related family, member 2 [Homo sapiens]
Official Symbol	KCNE2
Synonyms	KCNE2; potassium voltage-gated channel, Isk-related family, member 2; potassium voltage-gated channel subfamily E member 2; MiRP1; minK-related peptide 1; minK-related peptide-1; potassium channel subunit, MiRP1; potassium channel subunit beta MiRP1; voltage-gated K ⁺ channel subunit MIRP1; minimum potassium ion channel-related peptide 1; cardiac voltage-gated potassium channel accessory subunit 2; LQT5; LQT6; ATFB4; MIRP1; MGC138292;
Gene ID	9992
mRNA Refseq	NM_172201
Protein Refseq	NP_751951
MIM	603796
UniProt ID	Q9Y6J6
Chromosome Location	21q22.1
Pathway	Gastric acid secretion, organism-specific biosystem; Gastric acid secretion, conserved biosystem;

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Function

potassium channel regulator activity; voltage-gated ion channel activity; voltage-gated potassium channel activity;

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