

Recombinant Human KCNE2 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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	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

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Pathway	Gastric acid secretion, organism-specific biosystem; Gastric acid secretion, conserved biosystem;
Function	potassium channel regulator activity; voltage-gated ion channel activity; voltage-gated potassium channel activity;

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