Recombinant Human KCNE1 293 Cell Lysate

Cat. No. KCNE1-5067HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for potassium voltage-gated channel, Isk-related family, member 1 (KCNE1), transcript variant 2 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	KCNE1 potassium voltage-gated channel, Isk-related family, member 1 [Homo sapiens]
Official Symbol	KCNE1
Synonyms	KCNE1; potassium voltage-gated channel, Isk-related family, member 1; potassium voltage-gated channel subfamily E member 1; ISK; JLNS2; minK; minimal potassium channel; delayed rectifier potassium channel subunit IsK; voltage gated potassiun channel accessory subunit; cardiac delayed rectifier potassium channel protein; potassium voltage-gated channel, Isk-related subfamily, member 1; IKs producing slow voltage-gated potassium channel subunit beta Mink; JLNS; LQT5; MinK; LQT2/5; FLJ18426; FLJ38123; FLJ94103; MGC33114;
Gene ID	3753
mRNA Refseq	NM_000219
Protein Refseq	NP_000210
MIM	176261
UniProt ID	P15382
Chromosome Location	21q22.1-q22.2

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Function	contributes_to delayed rectifier potassium channel activity; potassium channel regulator activity; voltage-gated ion channel activity;

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