Recombinant Human KCNE3 293 Cell Lysate

Cat. No. KCNE3-5064HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for potassium voltage-gated channel, Isk-related family, member 3 (KCNE3) 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	KCNE3 potassium voltage-gated channel, Isk-related family, member 3 [Homo sapiens]
Official Symbol	KCNE3
Synonyms	KCNE3; potassium voltage-gated channel, Isk-related family, member 3; potassium voltage-gated channel subfamily E member 3; HOKPP; MiRP2; minK-related peptide 2; potassium channel subunit beta MiRP2; voltage-gated K+ channel subunit MIRP2; minimum potassium ion channel-related peptide 2; cardiac voltage-gated potassium channel accessory subunit; HYPP; MGC102685; MGC129924; DKFZp781H21101;
Gene ID	10008
mRNA Refseq	NM_005472
Protein Refseq	NP_005463
MIM	604433
UniProt ID	Q9Y6H6
Chromosome Location	11q13.4
Pathway	Protein digestion and absorption, organism-specific biosystem; Protein digestion and

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	absorption, conserved biosystem;
Function	potassium channel regulator activity; voltage-gated ion channel activity; voltage-gated potassium channel activity;

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