

Recombinant Human KCNH1 293 Cell Lysate

Cat. No. KCNH1-5060HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for potassium voltage-gated channel, subfamily H (eag-related), member 1 (KCNH1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC218681, OriGene Technologies, Inc.) 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

KCNH1 potassium voltage-gated channel, subfamily H (eag-related), member 1 [Homo sapiens]

Official Symbol

KCNH1

Synonyms

KCNH1; potassium voltage-gated channel, subfamily H (eag-related), member 1; potassium voltage-gated channel subfamily H member 1; eag; eag1; h eag; Kv10.1; hEAG1; EAG channel 1; ether-a-go-go potassium channel 1; ether-a-go-go, Drosophila, homolog of; voltage-gated potassium channel subunit Kv10.1; EAG; EAG1; h-eag; MGC142269;

Gene ID

3756

mRNA Refseq

NM_002238

Protein Refseq

NP_002229

MIM

603305

UniProt ID

O95259

Chromosome Location

1q32.2

Pathway

Neuronal System, organism-specific biosystem; Potassium Channels, organism-

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	specific biosystem; Voltage gated Potassium channels, organism-specific biosystem;
Function	calmodulin binding; delayed rectifier potassium channel activity; protein binding; two-component sensor activity; voltage-gated ion channel activity;

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