

Recombinant Human KCNG4 293 Cell Lysate

Cat. No. KCNG4-5061HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for potassium voltage-gated channel, subfamily G, member 4 (KCNG4) 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	KCNG4 potassium voltage-gated channel, subfamily G, member 4 [Homo sapiens]
Official Symbol	KCNG4
Synonyms	KCNG4; potassium voltage-gated channel, subfamily G, member 4; potassium voltage-gated channel subfamily G member 4; Kv6.4; voltage-gated potassium channel Kv6.3; voltage-gated potassium channel subunit Kv6.4; KV6.3; KV6.4; MGC4558; MGC129609;
Gene ID	93107
mRNA Refseq	NM_172347
Protein Refseq	NP_758857
MIM	607603
UniProt ID	Q8TDN1
Chromosome Location	16q24.1
Pathway	Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; Voltage gated Potassium channels, organism-specific biosystem;
Function	voltage-gated ion channel activity; voltage-gated potassium channel activity;

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