

Recombinant Human KCND3 293 Cell Lysate

Cat. No. KCND3-5068HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for potassium voltage-gated channel, Shal-related subfamily, member 3 (KCND3), transcript variant 1 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 [KCND3 potassium voltage-gated channel, Shal-related subfamily, member 3 \[Homo sapiens \]](#)

Official Symbol [KCND3](#)

Synonyms [KCND3](#); potassium voltage-gated channel, Shal-related subfamily, member 3; potassium voltage-gated channel subfamily D member 3; KSHIVB; Kv4.3; voltage-gated K⁺ channel; potassium ionic channel Kv4.3; sha1-related potassium channel Kv4.3; voltage-gated potassium channel subunit Kv4.3; KV4.3; KCND3L; KCND3S; MGC142035; MGC142037;

Gene ID [3752](#)

mRNA Refseq [NM_004980](#)

Protein Refseq [NP_004971](#)

MIM [605411](#)

UniProt ID [Q9UK17](#)

Chromosome Location 1p13.2

Pathway [Neuronal System, organism-specific biosystem](#); [Potassium Channels, organism-specific biosystem](#); [Voltage gated Potassium channels, organism-specific biosystem](#);

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Function

A-type (transient outward) potassium channel activity; metal ion binding; voltage-gated ion channel activity; voltage-gated potassium channel activity;

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