

Recombinant Human KCNAB3 293 Cell Lysate

Cat. No. KCNAB3-5072HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for potassium voltage-gated channel, shaker-related subfamily, beta member 3 (KCNAB3) 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

KCNAB3 potassium voltage-gated channel, shaker-related subfamily, beta member 3
[Homo sapiens]

Official Symbol

KCNAB3

Synonyms

AKR6A9; KCNA3B; KCNA3.1B; KV-BETA-3; voltage-gated potassium channel subunit beta-3; K(+) channel subunit beta-3; potassium channel, voltage-dependent, beta-3 subunit

Gene ID

9196

mRNA Refseq

NM_004732

Protein Refseq

NP_004723

MIM

604111

UniProt ID

O43448

Chromosome Location

17p13.1

Pathway

Neuronal System, organism-specific biosystem; Voltage gated Potassium channels, organism-specific biosystem; metapathway biotransformation, organism-specific biosystem

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Function

potassium channel regulator activity; voltage-gated potassium channel activity

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