

Recombinant Human KCNN3 293 Cell Lysate

Cat. No. KCNN3-5021HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3 (KCNN3), 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.

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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

KCNN3 potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3 [Homo sapiens]

Official Symbol

KCNN3

Synonyms

KCNN3; potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3; small conductance calcium-activated potassium channel protein 3; hSK3; KCa2.3; SKCA3; SKCa 3; SK3;

Gene ID

3782

mRNA Refseq

NM_001204087

Protein Refseq

NP_001191016

MIM

602983

UniProt ID

Q9UGI6

Chromosome Location

1q21.3

Pathway

Ca²⁺ activated K⁺ channels, organism-specific biosystem; Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem;

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Function

calmodulin binding; ion channel activity; potassium channel activity; small conductance calcium-activated potassium channel activity;

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