

Recombinant Human KCNIP2 293 Cell Lysate

Cat. No. KCNIP2-5055HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for Kv channel interacting protein 2 (KCNIP2), transcript variant 3 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

KCNIP2 Kv channel interacting protein 2 [Homo sapiens]

Official Symbol

KCNIP2

Synonyms

KCNIP2; Kv channel interacting protein 2; Kv channel-interacting protein 2; KCHIP2; potassium channel-interacting protein 2; A-type potassium channel modulatory protein 2; cardiac voltage-gated potassium channel modulatory subunit; MGC17241; DKFZp566L1246;

Gene ID

30819

mRNA Refseq

NM_014591

Protein Refseq

NP_055406

MIM

604661

UniProt ID

Q9NS61

Chromosome Location

10q24

Function

A-type (transient outward) potassium channel activity; ER retention sequence binding; calcium ion binding; identical protein binding; potassium channel activity; protein N-terminus binding; protein binding; voltage-gated ion channel activity;

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