Recombinant Human KCNMB2 293 Cell Lysate

Cat. No. KCNMB2-5026HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for potassium large conductance calcium-activated channel, subfamily M, beta member 2 (KCNMB2), 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	KCNMB2 potassium large conductance calcium-activated channel, subfamily M, beta member 2 [Homo sapiens]
Official Symbol	KCNMB2
Synonyms	KCNMB2; potassium large conductance calcium-activated channel, subfamily M, beta member 2; calcium-activated potassium channel subunit beta-2; hbeta2; hbeta3; BKbeta2; hCG1646471; slo-beta-2; k(VCA)beta-2; BK channel subunit beta-2; MaxiK channel beta 2 subunit; maxi K channel subunit beta-2; charybdotoxin receptor subunit beta-2; large-conductance Ca2+-activated K+ channel beta2 subunit; calcium-activated potassium channel, subfamily M subunit beta-2; large conductance calcium-activated potassium channel beta 2 subunit; MGC22431;
Gene ID	10242
mRNA Refseq	NM_181361
Protein Refseq	NP_852006
MIM	605214
UniProt ID	Q9Y691
Chromosome Location	3q26.32

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Pathway	Ca2+ activated K+ channels, organism-specific biosystem; Hemostasis, organism-specific biosystem; Neuronal System, organism-specific biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Platelet homeostasis, organism-specific biosystem; Potassium Channels, organism-specific biosystem; Vascular smooth muscle contraction, organism-specific biosystem;
Function	calcium-activated potassium channel activity; ion channel inhibitor activity; potassium channel activity; potassium channel regulator activity;

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