Recombinant Human KCNMB3 293 Cell Lysate

Cat. No. KCNMB3-5023HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for potassium large conductance calcium-activated channel, subfamily M beta member 3 (KCNMB3), 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

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	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	KCNMB3 potassium large conductance calcium-activated channel, subfamily M beta member 3 [Homo sapiens]
Official Symbol	KCNMB3
Synonyms	KCNMB3; potassium large conductance calcium-activated channel, subfamily M beta member 3; KCNMB2, KCNMBL; calcium-activated potassium channel subunit beta-3; slo-beta-3; K(VCA)beta-3; BK channel subunit beta-3; maxi K channel subunit beta-3; charybdotoxin receptor subunit beta-3; calcium-activated potassium channel, subfamily M subunit beta-3; large conductance, voltage and Ca2+ activated potassium channel Maxi K beta 3 subunit; HBETA3; KCNMB2; KCNMBL; BKBETA3; SLOBETA3;
Gene ID	27094
mRNA Refseq	NM_171828
Protein Refseq	NP_741979
MIM	605222
UniProt ID	Q9NPA1
Chromosome Location	3q26.3-q27

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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 activity; potassium channel activity; potassium channel regulator activity;

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