

Recombinant Human KCNMB2, His-tagged

Cat. No. KCNMB2-273H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCNMB2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-235aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

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

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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_005832](#)

Protein Refseq [NP_005823](#)

MIM [605214](#)

UniProt ID [Q9Y691](#)

Chromosome Location 3q26.32

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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