Recombinant Human KCNMB2 Protein, GST-tagged

Cat. No. KCNMB2-033H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KCNMB2 full-length ORF (AAH17825, 1 a.a. - 235 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	MaxiK channels are large conductance, voltage and calcium-sensitive potassium channels which are fundamental to the control of smooth muscle tone and neuronal excitability. MaxiK channels can be formed by 2 subunits: the pore-forming alpha subunit and the modulatory beta subunit. The protein encoded by this gene is an auxiliary beta subunit which decreases the activation time of MaxiK alpha subunit currents. Alternative splicing results in multiple transcript variants of this gene. Additional variants are discussed in the literature, but their full length nature has not been described.
Molecular Mass	51.59 kDa
AA Sequence	MFIWTSGRTSSSYRHDEKRNIYQKIRDHDLLDKRKTVTALKAGEDRAILLGLAMTVCS IMMYFLLGITLLRSYMQSVWTEESQCTLLNASITETFNCSFSCGPDCWKLSQYPCLQ VYVNLTSSGEKLLLYHTEETIKINQKCSYIPKCGKNFEESMSLVNVVMENFRKYQHFS CYSDPEGNQKGVILTKLYSSSVLFHSLFWPTCMMAGGVAIVAMVKLTQYLSLLCERI QRINR
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Stability	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	KCNMB2 potassium calcium-activated channel subfamily M regulatory beta subunit 2 [Homo sapiens (human)]
Official Symbol	KCNMB2
Synonyms	KCNMB2; potassium calcium-activated channel subfamily M regulatory beta subunit 2; calcium-activated potassium channel subunit beta-2; BK channel beta subunit 2; BK channel subunit beta-2; MaxiK channel beta 2 subunit; MaxiK channel beta-subunit 2; big potassium channel beta subunit 2; charybdotoxin receptor subunit beta-2; hCG1646471; hbeta2; k(VCA)beta-2; large conductance calcium-activated potassium channel beta 2 subunit; large-conductance Ca2+-activated K+ channel beta2 subunit; potassium channel subfamily M regulatory beta subunit 2; potassium large conductance calcium-activated channel, subfamily M, beta member 2; slo-beta-2
Gene ID	10242
mRNA Refseq	NM_181361

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Protein Refseq	NP_852006
MIM	605214
UniProt ID	Q9Y691
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue

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