9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KCNMB3 Human

KCNMB3 Human Recombinant
RCP1152

Product Overview

Name	KCNMB3 Human
Description	
KCNMB3 Human Recombinant	
Accession (Primary)	Q9NPA1
Synonyms	
Potassium Channel Subfamily M Regulatory Beta Subunit 3, Potassium Large Conductance Calcium-Activated Channel, Subfamily M Beta Member 3, Calcium-Activated Potassium Channel, Subfamily M Subunit Beta-3, Charybdotoxin Receptor Subunit Beta-3, Big Potassium Channel Beta Subunit 3, Maxi K Channel Subunit Beta-3, MaxiK Channel Beta-Subunit 3, BK Channel Beta Subunit 3, BK Channel Subunit Beta-3, K(VCA)BETA-3, SLO-BETA-3, BKBETA3, Hbeta3, KCNMB2, KCNMBL, Large Conductance, Voltage And Ca2+ Activated Potassium Channel Maxi K Beta 3 Subunit, Calcium-Activated Potassium Channel Regulatory Subunit, SLOBETA3, Calcium-activated potassium channel subunit beta-3.	
Introduction	
The KCNMB3 belongs to a family of 4 auxiliary beta subunits found in the mammalian genome, which associate with Slo1 alpha subunits and regulate BK channel function. In humans, the KCNMB3 gene is comprised of 4 N-terminal alternative exons which produce 4 functionally distinct beta3 subunits, beta3a-d. Three variants, beta3a-c, display kinetically distinct inactivation behaviors.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
KCNMB3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	

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Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS KPFMLSI QREESTCTAI HTDIMDDWLD CAFTCGVHCH GQGKYPCLQV FVNLSHPGQK ALLHYNEEAV QINPKCFYTP KCHQDRNDLL NSALDIKEFF DHKNGTPFSC FYSPASQSED VILIKKYDQ.

Precautions

KCNMB3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NPA1)