

Product datasheet for **AR51621PU-S**

KCNMB3 (82-207, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	KCNMB3 (82-207, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSKPFMLSI QREESTCTAI HTDIMDDWLD CAFTCGVHCH GQGKYPCLQV FVNLSHPGQK ALLHYNEEAV QINPKCFYTP KCHQDRNDLL NSALDIKEFF DHKNGTGFSC FYSPASQSED VILIKKYDQ
Tag:	His-tag
Predicted MW:	16.8 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human KCNMB3 fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001157149
Locus ID:	27094
UniProt ID:	Q9NPA1
Cytogenetics:	3q26.32
Synonyms:	BKBETA3; HBETA3; K(VCA)BETA-3; KCNMB2; KCNMBL; SLO-BETA-3; SLOBETA3



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Summary:

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 may partially inactivate or slightly decrease the activation time of MaxiK alpha subunit currents. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 22. [provided by RefSeq, Jul 2009]

Protein Families:

Druggable Genome, Ion Channels: Other, Transmembrane

Protein Pathways:

Vascular smooth muscle contraction

Product images: