

AR51621PU-S

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

Alternate names:

BK channel subunit beta-3, Calcium-activated potassium channel, Calcium-activated potassium channel subunit beta-3, Charybdotoxin receptor subunit beta-3, K(VCA)beta-3, KCNMBL, Maxi K channel subunit beta-3, Slo-beta-3, subfamily M subunit beta-3

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

The KCNMB3 is one of a family of four auxiliary beta subunits found in the mammalian genome that associate with Slo1 alpha subunits and regulate BK channel function. In humans, the KCNMB3 gene contains four N-terminal alternative exons that produce four functionally distinct beta3 subunits, beta3a-d. Three variants, beta3a-c, exhibit kinetically distinct inactivation behaviors.

Uniprot ID:

[Q9NPA1](#)

NCBI:

[NP_055222](#)

GenelD:

[27094](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Description:

Recombinant human KCNMB3 fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSKPFMLSI QREESTCTAI HTDIMDDWLD CAFTCGVHCH
GQGYKPCQLQV FVNLSHPGQK ALLHYNEEAV QINPKCFYTP KCHQDRNDLL NSALDIKEFF
DHKNGTPFSC FYSPASQSED VILIKKYDQ

Molecular weight: 16.8 kDa (149aa)

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. Shelf life: one year from despatch.

General Readings:

Lee,U.S, et al. (2009) J. Physiol. (Lond.) 587 (PT 7), 1481-1498 Zeng,X., et al. (2008) J. Gen. Physiol. 132 (1), 115-129

Pictures:

