

**KCNMB3, 82-207aa, Human, His tag, E.coli**

**Cat.NO.: TP02716**

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3th Edition

**Synonyms:**calcium-activated potassium channel subunit beta-3 isoform d, BKBETA3, HBETA3, KCNMB2, KCNMBL, SLOBETA3

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

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

**Molecular Weight:**16.8kDa (149aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSKPFMLSIQREESTCTAIHTDIMDDWLDCAFTCGVHCHGQGKYPCLQVFNLSHPGQKALLHYNEEAVQINPKCFYTPKCHQDRNDLLNSALDIKEFFDHKNGTPFSCFYSPASQSEDVILIKKYDQ

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.