

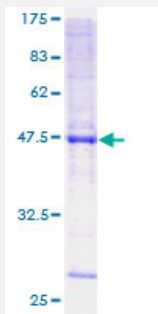
Full-Length

# KCNMB2 (Human) Recombinant Protein (P01)

Catalog # H00010242-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human KCNMB2 full-length ORF ( AAH17825, 1 a.a. - 235 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MFIIWTSGRTSSSYRHDEKRNIYQKIRDHDLDDKRKTVTALKAGEDRAILLGLAMTVCSIMMYFLLGIT  
LLRSYMQSVWTEESQCTLLNASITETFNCSFSCGPDCKWLSQYPCLOVYVNLTSSEKLLLYHTE  
ETIKINQKCSYIPKCGKNFEESMSLVNVVMENFRKYQHFCYSYDPEGNQKGVILTKLYSSSVLFHS  
LFWPTCMMAGGVAVAMVKLTQYLSLLCERIQIRNR

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

51.59

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

### Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — KCNMB2

Entrez GeneID [10242](#)

GeneBank Accession# [BC017825](#)

Protein Accession# [AAH17825](#)

Gene Name KCNMB2

Gene Alias MGC22431

Gene Description potassium large conductance calcium-activated channel, subfamily M, beta member 2

Omim ID [605214](#)

Gene Ontology [Hyperlink](#)

**Gene 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 decreases the activation time of MaxiK alpha subunit currents. Two variants encoding the same protein have been found for this gene. [provided by RefSeq]

**Other Designations** MaxiK channel beta 2 subunit|calcium-activated potassium channel beta 2 subunit|large conductance calcium-activated potassium channel beta 2 subunit|large-conductance Ca<sup>2+</sup>-activated K<sup>+</sup> channel beta2 subunit

## Pathway

- [Vascular smooth muscle contraction](#)