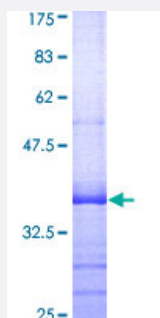


KCNMB1 (Human) Recombinant Protein (Q01)

Catalog # H00003779-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KCNMB1 partial ORF (AAH25707, 39 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LPLYQKSVWTQESKCHLIETNIRDQEELKGKKVPQYPCLWVNVSAAGRWAVLYHTEDTRDQNNQQLNWRDGDTSLYPCQVCEVPNCPCPRG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.75
Interspecies Antigen Sequence	Mouse (92); Rat (89)
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 — KCNMB1

Entrez GeneID	3779
GeneBank Accession#	BC025707
Protein Accession#	AAH25707
Gene Name	KCNMB1
Gene Alias	K(VCA)beta, SLO-BETA, hslo-beta
Gene Description	potassium large conductance calcium-activated channel, subfamily M, beta member 1
Omim ID	603951 608622
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 product of this gene, the modulatory beta subunit. Intracellular calcium regulates the physical association between the alpha and beta subunits. [provided by RefSeq]
Other Designations	BK channel beta subunit Maxi K channel beta subunit large conductance Ca ²⁺ -activated K ⁺ channel beta 1 subunit

Pathway

- [Vascular smooth muscle contraction](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Kidney Diseases](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Werner syndrome](#)