

Voltage-gated potassium channel subunit beta-2 (Kcnab2) Recombinant Protein | Kcnab2 recombinant protein

Recombinant Rat Voltage-gated potassium channel subunit beta-2 (Kcnab2)

CATALOG # AAA113562	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Voltage-gated potassium channel subunit beta-2 (Kcnab2); Recombinant Rat Voltage-gated potassium channel subunit beta-2 (Kcnab2); Kcnab2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-367, Full length protein
Sequence	MYPESTTGSP ARLSLRQTGS PGMIYSTRYG SPKRQLQFYR NLGKSGLRVS CLGLGTWVTF GGQITDEMAE HLMTLAYDNG INLFDTAEVY AAGKAEVVLG NIIKKKGWRR SSLVITTKIF WGGKAETERG LSRKHIIIEGL KASLERLQLE YVDVVFANRP DPNTPMEETV RAMTHVINQG MAMYWGTSRW SSMEIMEAYS VARQFNLIIPP ICEQAEYHMF QREKVEVQLP ELFHKIGVGA MTWSPLACGI VSGKYDSGIP PYSRASLKG YWLKDKILSE EGRRQQA KKLK ELQAIAERLG CTLPQLAIW CLRNEGVSSV LLGASNAEQL MENIGAIQVL PKLSSSIVHE IDSILGNKPY SKKDYRS
Sequence Length	367
Species	Rat
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Kcnab2 recombinant protein	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member is one of the beta subunits, which are auxiliary proteins associating with functional Kv-alpha subunits. This member alters functional properties of the KCNA4 gene product. Alternative splicing of this gene results in two transcript variants encoding distinct isoforms.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8393646
NCBI GeneID	29738
NCBI Accession #	NP_059000.1
NCBI GenBank Nucleotide #	NM_017304.2
UniProt Accession #	P62483; P97381; Q60942; Q64284
Molecular Weight	41,021 Da
NCBI Official Full Name	voltage-gated potassium channel subunit beta-2
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily A regulatory beta subunit 2
NCBI Official Symbol	Kcnab2
NCBI Protein Information	voltage-gated potassium channel subunit beta-2
UniProt Protein Name	Voltage-gated potassium channel subunit beta-2
UniProt Gene Name	Kcnab2
UniProt Synonym Gene Names	Ckbeta2; Kcnb3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/kcnab2-recombinant-protein-e-coli/113562>