

Voltage-gated potassium channel subunit beta-2 Recombinant Protein | KCNAB2 recombinant protein

Recombinant Human Voltage-gated potassium channel subunit beta-2

CATALOG # AAA114255	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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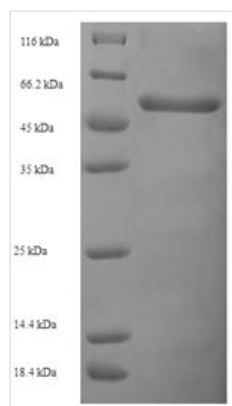
PRODUCT SYNONYMS

Voltage-gated potassium channel subunit beta-2; Recombinant Human Voltage-gated potassium channel subunit beta-2; K(+) channel subunit beta-2; Kv-beta-2; hKvbeta2; 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	1-367aa; Full Length
Sequence	MYPESTTGSP ARLSLRQTGS PGMIYSTRYG SPKRQLQFYR NLGKSGLRVS CLGLGTWVTF GGQITDEMAE QLMTLAYDNG INLFDTAEVY AAGKAEVVLG NIIKKKGWRR SSLVITTKIF WGGKAETERG LSRKHIEGL KASLERLQLE YVDVVFANRP DPNTPMEETV RAMTHVINQG MAMYWGTSRW SSMEIMEAYS VARQFNLTTP ICEQAEYHMF QREKVEVQLP ELFHKIGVGA MTWSPLACGI VSGKYDSGIP PYSRASLKG YWLKDKILSE EGRRQQA KKLK ELQAIAERLG CTLPQLAI AW CLRNEGVSSV LLGASNADQL MENIGAIQVL PKLSSSIIHE IDSILGNKPY SKKDYRS
Sequence Length	367
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for KCNAB2 recombinant protein	Cytoplasmic potassium channel subunit that modulates the characteristics of the channel-forming alpha-subunits. Contributes to the regulation of nerve signaling, and prevents neuronal hyperexcitability. Promotes expression of the pore-forming alpha subunits at the cell membrane, and thereby increases channel activity. Promotes potassium channel closure via a mechanism that does not involve physical obstruction of the channel pore. Promotes KCNA4 channel closure. Modulates the functional properties of KCNA5. Enhances KCNB2 channel activity. Binds NADPH and has NADPH-dependent aldotoreductase activity. Has broad substrate specificity and can catalyze the reduction of methylglyoxal, 9,10-phenanthrenequinone, prostaglandin J2, 4-nitrobenzaldehyde, 4-nitroacetophenone and 4-oxo-trans-2-nonenal (in vitro).
Product Categories/Family for KCNAB2 recombinant protein	Neuroscience

References

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NCBI AND UNIPROT INFORMATION

NCBI GI #	315434245
NCBI GeneID	8514
NCBI Accession #	NP_001186789.1

NCBI GenBank Nucleotide #	NM_001199860.1
UniProt Accession #	Q13303; O43659; Q2YD85; Q5TG82; Q5TG83; Q6ZNE4; Q99411; A0AVM9; A8K1A4; B0AZR7
Molecular Weight	57 kDa
NCBI Official Full Name	voltage-gated potassium channel subunit beta-2 isoform 1
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily A regulatory beta subunit 2
NCBI Official Symbol	KCNAB2
NCBI Official Synonym Symbols	AKR6A5; KCNA2B; HKvbeta2; KV-BETA-2; HKvbeta2.1; HKvbeta2.2
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	KCNA2B; KCNK2; hKvbeta2
UniProt Entry Name	KCAB2_HUMAN

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