Datasheet for ABIN5709787

KCNAB2 Protein (AA 1-367, full length) (His-SUMO Tag)

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1 Image

Overview

Quantity:	100 µg
Target:	KCNAB2
Protein Characteristics:	AA 1-367, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNAB2 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MYPESTTGSP ARLSLRQTGS PGMIYSTRYG SPKRQLQFYR NLGKSGLRVS CLGLGTWVTF GGQITDEMAE QLMTLAYDNG INLFDTAEVY AAGKAEVVLG NIIKKKGWRR SSLVITTKIF WGGKAETERG LSRKHIIEGL KASLERLQLE YVDVVFANRP DPNTPMEETV RAMTHVINQG MAMYWGTSRW SSMEIMEAYS VARQFNLTPP ICEQAEYHMF QREKVEVQLP ELFHKIGVGA MTWSPLACGI VSGKYDSGIP PYSRASLKGY QWLKDKILSE EGRRQQAKLK ELQAIAERLG CTLPQLAIAW CLRNEGVSSV LLGASNADQL MENIGAIQVL PKLSSSIIHE IDSILGNKPY SKKDYRS
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	KCNAB2

Target Details

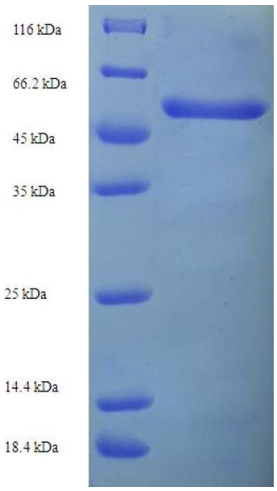
Alternative Name:	KCAB2 (KCNAB2 Products)
Background:	Cytoplasmic potassium channel subunit that modulates the characteristics of the channel-forming alpha-subunits . Contributes to the regulation of nerve signaling, and prevents neuronal hyperexcitability . Promotes expression of the pore-forming alpha subunits at the cell mbrane, 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 aldoketoreductase 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) .
Molecular Weight:	56.97 kDa
UniProt:	Q13303

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.

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