



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### KCNN3 (Human) Recombinant Protein (P01)

**Catalog Number:** H00003782-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human KCNN3 full-length ORF ( AAH42147, 1 a.a. - 426 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MERPIKDSMFLSLALKCLISLSTIILLGLIAYHTREVQLFVI  
DNGADDWRIAMTYERILYISLEMLVCAIHPIPGEYKFFW  
TARLAFSYTPSRAEADVDIILSIPMFLRLYLARVMMLHS  
KLFTDASSRSIGALNKINFNTRFVMKTLMTICPGTVLLV  
FSISLWIIAAWTVRVCERYHDQQDVTSNFLGAMWLISIT  
FLSIGYGDMVPHTYCGKGVCLLTGIMGAGCTALVVAV  
VARKLELTKAEKHVHNFMMDTQLTKRIKNAANVLRET  
WLIYKHTKLLKKIDHAKVRKHQRKFLQAIHQLRSVKME  
QRKLSQANTLVDLSKMQNVMYDLITELNDRSEDEK  
QIGSLESKLEHLTASFNSPLLIADTLRQQQQQLLSAII  
ARGVSVAVGTTHTPISDSPIGVSSTSFPTPYTSSSSC

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 72.6

**Interspecies Antigen Sequence:** Mouse (98)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**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.

**Entrez GeneID:** 3782

**Gene Symbol:** KCNN3

**Gene Alias:** KCa2.3, SK3, SKCA3, hSK3

**Gene Summary:** Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium channels. The protein encoded by this gene is activated before membrane hyperpolarization and is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. The encoded protein is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. This gene contains two CAG repeat regions in the coding sequence. It was thought that expansion of one or both of these repeats could lead to an increased susceptibility to schizophrenia or bipolar disorder, but studies indicate that this is probably not the case. This gene is a member of the KCNN family of potassium channel genes. Two transcript variants encoding two different isoforms have been found for this gene. One of the variants lacks the CAG repeat regions. [provided by RefSeq]