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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

KCNQ2 (Human) Recombinant Protein (P01)

Catalog Number: H00003785-P01

Regulation Status: For research use only (RUO)

Product Description: Human KCNQ2 full-length ORF (AAH00699.1, 1 a.a. - 393 a.a.) recombinant protein with GST tag at N-terminal.

Sequence:

MVQKSRNGGVYPGPSGEKKLVGFVGLDPGAPDSTR
DGALLIAGSEAPKRGSSILSKPRAGGAGAGKPPKRNAF
YRKLQNFLLYNVLERPRGWAFIYHAYVFLVFSCLVLSV
FSTIKEYEKSSEGALYILEIVTIVVFGVEYFVRIWAAGCC
CRYRGWRGRLLKFKPFCVIDIMVLIAVLAAGSQG
NVFATSALRSLRFLQILRMMDRRGGTWKLLGSVVYA
HSKELVTAWYIGFLCLILASFLVYLAKEGENDHFDYAD
ALWWGLITLTIGYGDYKYPQTWNGRLLAATFTLIGVSF
FALPAGILGSGFALKVQEQRQKHFEKRRNPAAGLIQS
AWRFYATNLSRTDLHSTWQYYERTVTVPMYRYYRRA
PATKQLFHFLFSICS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 68.97

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: 3785

Gene Symbol: KCNQ2

Gene Alias: BFNC, EBN, EBN1, ENB1, HNSPC, KCNA11, KV7.2, KVEBN1

Gene Summary: The M channel is a slowly activating and deactivating potassium channel that plays a critical role in the regulation of neuronal excitability. The M channel is formed by the association of the protein encoded by this gene and a related protein encoded by the KCNQ3 gene, both integral membrane proteins. M channel currents are inhibited by M1 muscarinic acetylcholine receptors and activated by retigabine, a novel anti-convulsant drug. Defects in this gene are a cause of benign familial neonatal convulsions type 1 (BFNC), also known as epilepsy, benign neonatal type 1 (EBN1). At least five transcript variants encoding five different isoforms have been found for this gene. [provided by RefSeq]