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Product Information

MemDX™ Membrane Protein Human KCNH6 (Potassium voltage-gated channel subfamily H member 6) Full Length

Cat. No.: **MPC0599K**
This product is for research use only and is not intended for diagnostic use.

This product is a 109.9 kDa Human KCNH6 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
KCNH6

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
109.9 kDa

TMD
6

Sequence
MPVRRGHVAPQNTYLDTIIRKFEGQSRKFLIANAQMENCAIIYCNDGFCE
LFGYSRVEVMQQPCTCDFLTGPNTPSSAVSRLAQALLGAEECKVDILYYR
KDASSFRCLVDVVPVKNEDGAVIMFILNFEDLAQLLAKCSSRSLSQRLLS
QSFLGSEGSHGRPGGPGPGTGRGKYRTISQIPQFTLNFVEFNLEKHRSSS
TTEIEIIAPHKVVERTQNVTEKVTQVLSLGADVLPEYKLQAPRIHRWTIL
HYSPFKAVWDWLILLLVIYTAVFTPYSAAFLLSDQDESRRGACSYTCSPL
TVVDLIVDIMFVVDIVINFRTTYVNTNDEVVSHPRRIAVHYFKGWFLIDM
VAAIPFDLLIFRTGSDETTTLIGLLKTARLLRLVRVARKLDRYSEYGAAV
LFLLMCTFALIAHWLACIWYAIGNVERPYLEHKIGWLDSLGVQLGKRYNG
SDPASGPSVQDKYVTALYFTFSSLTSVGFGNVSPNTNSEKVFSICVMLIG
SLMYASIFGNVSAIIQRLYSGTARYHTQMLRVKEFIRFHQIPNPLRQRLE
EYFQHAWSYTNGIDMNAVLKGFPECLQADICLHLHRALLQHCPAFSGAGK
GCLRALAVKFKTTHAPPGDTLVHLGDVLSTLYFISRGSIEILRDDVVVAI
LGKNDIFGEPVSLHAQPGKSSADVRALTYCDLHKIQRADLLEVLDMYPAF
AESFWSKLEVTFNLRDAAGGLHSSPRQAPGSQDHQGFFLSDNQSGSPHEL
GPQFPSKGYSLLGPGSQNSMGAGPCAPGHPDAAPPLSISDASGLWPELLQ
EMPPRHSPQSPQEDPDCWPLKLGSRLEQLQAQMNRLESRVSSDLSRILQL
LQKPMPQGHASYILEAPASNDLALVPIASETTSPGPRLPQGFLPPAQTPS
YGDLDDCSPKHRNSSPRMPHLAVATDKTLAPSSEQEQPEGLWPPLASPLH

PLEVQGLICGPCFSSLPEHLGSVPKQLDFQRHGSDPGFAGSWGH

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

KCNH6

Full Name

Potassium voltage-gated channel subfamily H member 6

Introduction

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. This gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit. Alternative splicing results in multiple transcript variants that encode different isoforms.

Alternative Names

ERG2; ERG-2; HERG2; Kv11.2; hERG-2; potassium voltage-gated channel subfamily H member 6; eag-related gene member 2; ether-a-go-go-related protein 2; potassium channel, voltage gated eag related subfamily H, member 6; potassium voltage-gated channel, subfamily H (eag-related), member 6; voltage-gated potassium channel subunit Kv11.2; KCNH6; Potassium voltage-gated channel subfamily H member 6

Gene ID

81033

UniProt ID

Q9H252