

Product Information

MemDX™ Membrane Protein Human HCN3 (Hyperpolarization activated cyclic nucleotide gated potassium channel 3) Full Length

Cat. No.: **MPC0575K**

This product is for research use only and is not intended for diagnostic use.

This product is a 86 kDa Human HCN3 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

HCN3

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

86 kDa

TMD

6

Sequence

MEAEQRPAAGASEGATPGLEAVPPVAPPPATAASGPIPKSGPEPKRRHLG
TLLQPTVNFSLRVFGSHKAVEIEQERVKSAGAWIIHPYSDFRFYWDLIM
LLLMVGNLIVLPVGITFFKEENSPPWIVFNVLSDTFFLLDLVLFNRTGIV
VEEGAEILLAPRAIRTRYLRTWFLVDLISSIPVDYIFLVVELEPRLDAEV
YKTARALRIVRFTKILSLLRLLRLSRLIRYIHQWEEIFHMTYDLASAVVR
IFNLIGMMLLLCHWDGCLQFLVPMLQDFPPDCWVSINHMVNHSWGRQYSH
ALFKAMSHMLCIGYGQQAPVGMPPDVWLTMLSMIVGATCYAMFIGHATALI
QSLDSSRRQYQEKYKQVEQYMSFHKLPADTRQRIHEYEHRYQGKMFDEE
SILGELSEPLREEIINFCTCRGLVAHMPPLFAHADPSFVTAVLTKLRFEVFQ
PGDLVVREGSVGRKMYFIQHGLLSVLARGARDTRLTDGSYFGEICLLTRG
RRTASVRADTYCRLYSLSVDHFNAVLEEFPMRRRAFETVAMDRLLRIGKK
NSILQRKRSEPSGSSGIMEQHLVQHDRDMARGVRGRAPSTGAQLSGKP
VLWEPLVHAPLQAAAVTSNVAIALTHQRGPLPLSPDSPATLLARSAWRS
GSPASPLVPVRAGPWASTSRPLPAPPARTLHASLSRAGRSQVSLLGPPPGG
GGRRLLGPRGRPLSASQPSLPQRATGDGSPGRKGSERLPPSGLLAKPPR
TAQPPRPPVPEPATPRGLQLSANM

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

HCN3

Full Name

Hyperpolarization activated cyclic nucleotide gated potassium channel 3

Introduction

This gene encodes a multi-pass membrane protein that functions as a voltage gated cation channel. The encoded protein is a member of a family of closely related cyclic adenosine monophosphate-binding channel proteins. Alternative splicing results in multiple transcript variants.

Alternative Names

Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 3; HCN3; Hyperpolarization activated cyclic nucleotide gated potassium channel 3

Gene ID

[57657](#)

UniProt ID

[Q9P1Z3](#)