

KCNK9 Protein, Human (Cell-Free, His)

Cat. No.:	HY-P702348
Synonyms:	Potassium channel subfamily K member 9; Acid-sensitive potassium channel protein TASK-3; TWIK-related acid-sensitive K(+) channel 3; Two pore potassium channel KT3.2; Two pore K(+) channel KT3.2
Species:	Human
Source:	E. coli Cell-free
Accession:	Q9NPC2 (M1-V374)
Gene ID:	51305
Molecular Weight:	48.3 kDa

PROPERTIES

AA Sequence	<pre> M K R Q N V R T L S L I V C T F T Y L L V G A A V F D A L E S D H E M R E E E K L K A E E I R I K G K Y N I S S E D Y R Q L E L V I L Q S E P H R A G V Q W K F A G S F Y F A I T V I T T I G Y G H A A P G T D A G K A F C M F Y A V L G I P L T L V M F Q S L G E R M N T F V R Y L L K R I K K C C G M R N T D V S M E N M V T V G F F S C M G T L C I G A A A F S Q C E E W S F F H A Y Y Y C F I T L T T I G F G D Y V A L Q T K G A L Q K K P L Y V A F S F M Y I L V G L T V I G A F L N L V V L R F L T M N S E D E R R D A E E R A S L A G N R N S M V I H I P E E P R P S R P R Y K A D V P D L Q S V C S C T C Y R S Q D Y G G R S V A P Q N S F S A K L A P H Y F H S I S Y K I E E I S P S T L K N S L F P S P I S S I S P G L H S F T D H Q R L M K R R K S V </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

KCNK9 Protein functions as a pH-dependent, voltage-insensitive background potassium channel. It typically forms homodimers, and there is evidence suggesting it can also heterodimerize with KCNK1.

Caution: Product has not been fully validated for medical applications. For research use only.

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