

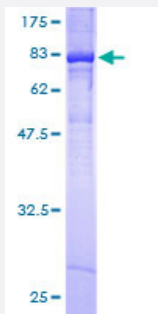
Full-Length

KCNF1 (Human) Recombinant Protein (P01)

Catalog # H00003754-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KCNF1 full-length ORF (AAH26110, 1 a.a. - 494 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDGSGERSLPEPGSQSSAASDDIEMVNVGGVRQVLYGDLLSQYPETRLAELINCLAGGYDTIFSL
CDDYDPGKREFYFDRDPDAFKCVIEVYFGEVHMKGICPICFKNEMDFWKVDLKFLLDCCCKSH
LSEKREELEEIARRVQLILDDLGVDAAEGRWRRQCQKCVWKFLEKPESSCPARVVAVLSFLLILVS
SVVMCMGTPELQVLDAEGNRVEHPTLENVETACIGWFTLEYLLRLFSSPNKLHFALSFMNVDVL
AILPFYVSLTLTHLGARMMELTNVQQAVQALRIMRIARIFKLARHSSGLQTLTYALKRSFKELGLLLM
YLAVGIFVFSALGYTMEQSHPETLFKSIPQSFWWAITMTTVGYGDIYPKTTLGKLNAAISFLCGVIAIA
LPIHPIINNFVRYNKRQVLETAAKHELELMELNSSSGGEGKTGGSRSDDLNPPEPAGKEAPSCS
SRLKLSHSDTFIPLLTEEKHHRTRLQSK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

80.08

Interspecies Antigen Sequence

Mouse (96); Rat (96)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

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.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KCNF1

Entrez GeneID	3754
---------------	----------------------

GeneBank Accession#	BC026110
---------------------	--------------------------

Protein Accession#	AAH26110
--------------------	--------------------------

Gene Name	KCNF1
-----------	-------

Gene Alias	IK8, KCNF, KV5.1, MGC33316, KH1
------------	---------------------------------

Gene Description	potassium voltage-gated channel, subfamily F, member 1
------------------	--

Omim ID	603787
---------	------------------------

Gene Ontology	Hyperlink
---------------	---------------------------

Gene Summary	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 F. This gene is intronless and expressed in all tissues tested, including the heart, skeletal muscle, brain, kidney, and pancreas. [provided by RefSeq]
--------------	--

Other Designations	potassium channel KH1 potassium channel Kv5.1
--------------------	---