

Recombinant Human KCNF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KCNF1-5954H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KCNF1 MS Standard C13 and N15-labeled recombinant protein (NP_002227) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	55.6 kDa
AA Sequence	MDGSGERSLPEPGSQSSAASDDIEIVNVGGVRQVLYGDLLSQYPETRLAELINCLA GGYDTIFSLCDDYDPGKREFYFDRDPDAFKCVIEVYYFGEVHMKKGICPICFKNEMD FWKVDLKFLDDCCKSHLSEKREELEEIARRVQLILDDLGVDAEGRWRRRCQKCVWK FLEKPESSCPARVVAVLSFLLILVSSVVMCMGTIPELQVLDAEGNRVEHPTLENVETA CIGWFTLEYLLRLFSSPNKLHFALSFMNIVDVLAILPFYVSLTLTHLGARMMELTNVQ QAVQALRIMRIARIFKLARHSSGLQTLTYALKRSFKELGLLLMYLA VGIFVFSALGYTM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EQSHPETLFKSIPQSFWWAITMTTVGYGDIYPKTTLGKLNAAISFLCGVIAIALPIHPHII
 NNFVRYYNKQRVLETAAKHELELMELNSSSGGEGKTGGSRSDLDNLPPEPAGKEA
 PSCSSRLKLSHSDTFIPLLTEEKHHRTLRQLQSCKTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name KCNF1 potassium voltage-gated channel modifier subfamily F member 1 [Homo sapiens (human)]

Official Symbol KCNF1

Synonyms KCNF1; potassium voltage-gated channel, subfamily F, member 1; KCNF; potassium voltage-gated channel subfamily F member 1; IK8; KH1; Kv5.1; potassium channel KH1; potassium channel Kv5.1; voltage-gated potassium channel subunit Kv5.1; KV5.1; MGC33316;

Gene ID 3754

mRNA Refseq NM_002236

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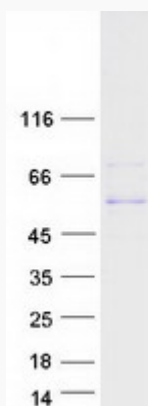
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Protein Refseq NP_002227

MIM 603787

UniProt ID Q9H3M0

SDS-PAGE



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