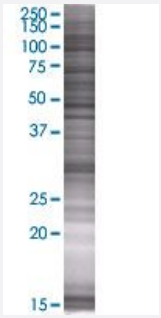
KCNA1 293T Cell Transient Overexpression Lysate(Denatured)

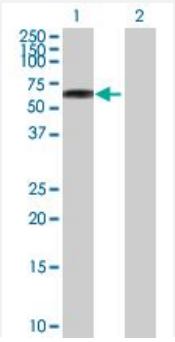
Catalog # H00003736-T01 Size 100 uL

Applications



SDS-PAGE Gel

KCNA1 transfected lysate.



Western Blot

Lane 1: KCNA1 transfected lysate (54.56 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-KCNA1 full-length
Host	Human
Theoretical MW (kDa)	54.56
Interspecies Antigen Sequence	Mouse (98); Rat (98)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-KCNA1 antibody (H00003736-B01) by Western Blots. SDS-PAGE Gel KCNA1 transfected lysate. Western Blot Lane 1: KCNA1 transfected lysate (54.56 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — KCNA1

Entrez GeneID	3736
GeneBank Accession#	NM_000217.1
Protein Accession#	NP_000208.2
Gene Name	KCNA1
Gene Alias	AEMK, EA1, HBK1, HUK1, KV1.1, MBK1, MGC126782, MGC138385, MK1, RBK1
Gene Description	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)
Omim ID	160120 176260
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a voltage-gated delayed potassium channel that is phylogenetically related to the Drosophila Shaker channel. The encoded protein has six putative transmembrane segments (S1-S6), and the loop between S5 and S6 forms the pore and contains the conserved selectivity filter motif (GYGD). The functional channel is a homotetramer. The N-terminus of the channel is associated with beta subunits that can modify the inactivation properties of the channel as well as affect expression levels. The C-terminus of the channel is complexed to a PDZ domain protein that is responsible for channel targeting. Mutations in this gene have been associated with myokymia with periodic ataxia (AEMK). [provided by RefSeq

Other Designations	potassium voltage-gated channel subfamily A member 1|voltage-gated potassium channel subunit Kv1.1

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema