

Recombinant Human KCNH6 293 Cell Lysate

Cat. No. KCNH6-5058HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for potassium voltage-gated channel, subfamily H (eag-related), member 6 (KCNH6), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 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

Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	KCNH6 potassium voltage-gated channel, subfamily H (eag-related), member 6 [Homo sapiens]
Official Symbol	KCNH6
Synonyms	KCNH6; potassium voltage-gated channel, subfamily H (eag-related), member 6; potassium voltage-gated channel subfamily H member 6; erg2; HERG2; Kv11.2; ERG-2; hERG-2; eag related protein 2; eag-related protein 2; eag-related gene member 2; ether-a-go-go-related protein 2; ether-a-go-go related gene potassium channel 2; ether-a-go-go-related gene potassium channel 2; voltage-gated potassium channel subunit Kv11.2; ERG2;
Gene ID	81033
mRNA Refseq	NM_030779
Protein Refseq	NP_110406
MIM	608168
UniProt ID	Q9H252
Chromosome Location	17q23.3

 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

Pathway	Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; Voltage gated Potassium channels, organism-specific biosystem;
Function	inward rectifier potassium channel activity; voltage-gated ion channel activity;

 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