



KCNH2 (NM_000238) Human Over-expression Lysate

E45H20184-

Catalog Number:E45H20184-2**NCBI Gene ID:**3757**Calculated MW:**126.5 kDa

Storage:Upon receiving, store the sample at -80°C. After dilution, the protein sample should be aliquoted and stored at -80°C for long term storage. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2 x SDS Sample Buffer provided. Lysate samples are stable for 12 months from the date of receipt when stored at -80°C.

Cite ID#:EN5541464**Type:**Human Lysates

Description:Transient overexpression lysate of potassium voltage-gated channel, subfamily H (eag-related), member 2 (KCNH2), transcript variant 1

Protein length:GoldORF Clone [GH45496V]**Expression Host:**HEK293T**Species:**Human**Tag:**C-Myc/DDK

Detection principle:Detection Antibody: Clone LBI4C5, Anti-DDK (FLAG) monoclonal antibody ([AMM08808V])

Kit components:1 vial of gene specific transient over-expression cell lysate in RIPA buffer 1 vial of whole HEK293T cell lysate in RIPA buffer 1 vial of 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% glycerol, 0.002% Bromophenol blue, 100mM DTT)

Gene symbol:KCNH2**mRNA Refseq:**NM_000238**Protein Refseq:**NP_000229**Chromosome location:**7q36.1**Function:**Druggable Genome, Ion Channels: Potassium, Transcription Factors, Transmembrane**Form:**Liquid

Preparation:HEK293T cells in 10-cm dishes were transiently transfected with Leading Biology Transfection Reagent (TF002V) and 5ug Leading Biology GoldORF cDNA plasmid. Transfected cells were cultured for 48hrs before collection.

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The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1 x Proteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na₃VO₄), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit (Thermo Scientific Inc.). Cell lysates were aliquoted and stored at -20°C before shipping.

Synonyms:ERG-1; ERG1; H-ERG; HERG; HERG1; Kv11.1; LQT2; SQT1

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