Recombinant Human KCNH2-3C-eGFP Protein (M1-S1159 end, S631A, ΔP141-L380 and ΔS871-R1005), C-10×His-tagged

Cat. No. KCNH2-15H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human hERG(M1-S1159 end) (S631A) (ΔP141-L380 and ΔS871-R1005)-3C-EGFP-10His was expressed in mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	M1-S1159 end, S631A, ΔP141-L380 and ΔS871-R1005
Description	This gene encodes a component of a voltage-activated potassium channel found in cardiac muscle, nerve cells, and microglia. Four copies of this protein interact with one copy of the KCNE2 protein to form a functional potassium channel. Mutations in this gene can cause long QT syndrome type 2 (LQT2). Transcript variants encoding distinct isoforms have been identified.
Form	Liquid
Endotoxin	< 0.01 EU/μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	50 mM Tris-HCl (pH 7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	KCNH2 potassium voltage-gated channel, subfamily H (eag-related), member 2 [Homo sapiens (human)]
Official Symbol	KCNH2
Synonyms	KCNH2; potassium voltage-gated channel, subfamily H (eag-related), member 2; LQT2; potassium voltage-gated channel subfamily H member 2; erg1; HERG; Kv11.1; ERG-1; H-ERG; hERG-1; eag homolog; eag-related protein 1; ether-a-go-go-related protein 1; ether-a-go-go-related gene potassium channel 1; voltage-gated potassium channel subunit Kv11.1; ether-a-go-go-related potassium channel protein; ERG1; SQT1; HERG1;
Gene ID	3757
mRNA Refseq	NM_000238
Protein Refseq	NP_000229
MIM	152427
UniProt ID	Q12809

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