

Recombinant Human KCNH2 Protein (M1-S1159 end, S631A, ΔP141-L380 and ΔS871-R1005), eGFP tagged

Cat. No. KCNH2-0838H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human hERG(M1-S1159 end) (S631A) (ΔP141-L380 and ΔS871-R1005)-3C-EGFP-10His Protein was expressed in Mammalian cell.
Species	Human
Source	Mammalian Cells
ProteinLength	M1-S1159 end, S631A, ΔP141-L380 and ΔS871-R1005
Description	Pore-forming (alpha) subunit of voltage-gated inwardly rectifying potassium channel. Channel properties are modulated by cAMP and subunit assembly. Mediates the rapidly activating component of the delayed rectifying potassium current in heart (IKr).
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
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.

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Storage Buffer	50 mM Tris-HCl (pH7.5), 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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