

Recombinant Human KCNE5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KCNE5-3655H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KCNE1L MS Standard C13 and N15-labeled recombinant protein (NP_036414) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of a family of single pass transmembrane domain proteins that function as ancillary subunits to voltage-gated potassium channels. Members of this family affect diverse processes in potassium channel regulation, including ion selectivity, voltage dependence, and anterograde recycling from the plasma membrane. Variants of this gene are associated with idiopathic ventricular fibrillation and Brugada syndrome.
Molecular Mass	15 kDa
AA Sequence	MNCSESQRLRTLSSRLLELHHRGNASGLGAGPRPSMGMGVVPDPFVGREVTSAK GDDAYLYILLIMIFYACLAGGLILAYTRSRKLVEAKDEPSQACAEHEWAPGGALTADA EAAAGSQAEGRRQLASEGLPALAQGAERVTRTRPLEQKLISEEDLAANDILDYKDDD DKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name KCNE5 potassium voltage-gated channel subfamily E regulatory subunit 5 [Homo sapiens (human)]

Official Symbol KCNE5

Synonyms KCNE5; potassium voltage-gated channel subfamily E regulatory subunit 5; KCNE1L; potassium voltage-gated channel subfamily E regulatory beta subunit 5; AMME syndrome candidate gene 2 protein; AMMECR2 protein; KCNE1-like; cardiac voltage-gated potassium channel accessory subunit 5; potassium channel subunit beta MiRP4; potassium voltage-gated channel subfamily E member 1-like protein; potassium voltage-gated channel, Isk-related family, member 1-like

Gene ID 23630

mRNA Refseq NM_012282

Protein Refseq NP_036414

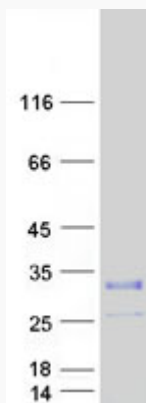
MIM 300328

UniProt ID Q9UJ90

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SDS-PAGE

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