

## Product datasheet for **TP311320L**

### KCNE2 (NM\_172201) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human potassium voltage-gated channel, Isk-related family, member 2 (KCNE2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211320 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MSTLSNFTQTLEDVFRIRIFITYMDNWRQNTTAEQEALQAKVDAENFYVILYLMVMIGMFSFIIVAILVS TVKSKRREHSNDPYHQYIVEDWQEKYKSQILNLEESKATIHENIGAAGFKMSP
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	14.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_751951</a></u>
Locus ID:	9992
UniProt ID:	<u><a href="#">Q9Y6J6</a></u>
RefSeq Size:	809



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**Cytogenetics:** 21q22.11

**RefSeq ORF:** 369

**Synonyms:** ATFB4; LQT5; LQT6; MIRP1

**Summary:** Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, isk-related subfamily. This member is a small integral membrane subunit that assembles with the KCNH2 gene product, a pore-forming protein, to alter its function. This gene is expressed in heart and muscle and the gene mutations are associated with cardiac arrhythmia. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified KCNE2 protein (Cat# [TP311320]). The protein was produced from HEK293T cells transfected with KCNE2 cDNA clone (Cat# [RC211320]) using MegaTran 2.0 (Cat# [TT210002]).