

## Product datasheet for **TP500617**

### Kcne2 (NM\_134110) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse potassium voltage-gated channel, Isk-related subfamily, gene 2 (Kcne2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200617 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MATLANLTQTLEDAFKKIFITYMDSWRRNTTAAEEQALQARVDAENFYVILYLMVMIGMFSFIVAILVS TVKSKRREHSQPHYHQYIVEDWQEKYKSQILHLEDSKATIHENMGATGFTVSP
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	14.4 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
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 after receiving vials.
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:	<a href="#">NP_598871</a>
Locus ID:	246133
UniProt ID:	<a href="#">Q9D808</a>
RefSeq Size:	1707
Cytogenetics:	16 C4
RefSeq ORF:	372



[View online »](#)

**Synonyms:** 2200002I16Rik; AW048273; MiRP1

**Summary:** Ancillary protein that assembles as a beta subunit with a voltage-gated potassium channel complex of pore-forming alpha subunits. Modulates the gating kinetics and enhances stability of the channel complex. Assembled with KCNB1 modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1. Associated with KCNH2/HERG is proposed to form the rapidly activating component of the delayed rectifying potassium current in heart (IKr). May associate with KCNQ2 and/or KCNQ3 and modulate the native M-type current. May associate with HCN1 and HCN2 and increase potassium current (By similarity). Interacts with KCNQ1; forms a heterooligomer complex leading to currents with an apparently instantaneous activation, a rapid deactivation process and a linear current-voltage relationship and decreases the amplitude of the outward current (By similarity).  
[UniProtKB/Swiss-Prot Function]