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Product datasheet for TP521486

Kcnk4 (NM_008431) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse potassium channel, subfamily K, member 4 (Kcnk4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR221486 protein sequence Red=Cloning site Green=Tags(s) MRSTTLLALLALVLLYLVSGALVFQALEQPHEQQAQKKMDHGRDQFLRDHPCVSQKSLEDFIKLLVEALG GGANPETSWTNSSNHSSAWNLGSAFFFSGTIITTIGYGNIVLHTDAGRLFCIFYALVGIPLFGMLLAGVG DRLGSSLRRGIGHIEAIFLKWHVPPGLVRSLSAVLFLLIGCLLFVLTPTFVFSYMESWSKLEAIYFVIVT LTTVGFGDYVPGDGTGQNSPAYQPLVWFWILFGLAYFASVLTTIGNWLRAVSRRTRAEMGGLTAQAASWT GTVTARVTQRTGPSAPPPEKEQPLLPSSLPAPPAVVEPAGRPGSPAPAEKVETPSPPTASALDYPSENLA FIDESSDTQSERGCALPRAPRGRRRPNPSKKPSRPRGPGRLRDKAVPV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	43.1 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:	NP_032457
Locus ID:	16528
UniProt ID:	O88454, Q0VD85

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RefSeq Size:	1757
Cytogenetics:	19 5.08 cM
RefSeq ORF:	1197
Synonyms:	MLZ-622; Tex40; TRAAK; TRAAKt
Summary:	Voltage-insensitive potassium channel (PubMed:9628867). Channel opening is triggered by mechanical forces that deform the membrane. Channel opening is triggered by raising the intracellular pH to basic levels (By similarity). The channel is inactive at 24 degrees Celsius (in vitro); raising the temperature to 37 degrees Celsius increases the frequency of channel opening, with a further increase in channel activity when the temperature is raised to 42 degrees Celsius (By similarity). Plays a role in the sensory perception of pain caused by pressure (PubMed:19279663). Plays a role in the perception of pain caused by heat (PubMed:19279663).[UniProtKB/Swiss-Prot Function]