

Product datasheet for **TP313846**

KCNK4 (NM_033310) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human potassium channel, subfamily K, member 4 (KCNK4), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213846 representing NM_033310 Red =Cloning site Green =Tags(s) MGAGDAGASAESA VTTAPQEPPARPLQAGSGAGPAPGRAMRSTLLALLALVLLYLVS GALVFRAL EQPH EQQAQRELGEVREKFLRAHPCVSDQELGLLIKEVADALGGGADPETNSTSNSSHSAWDLGSAFFFSGTII TTIGYGNVALRTDAGRLFCIFYALVGIPLFGILLAGVGDRLGSSLRHGIGHIEAIFLKWHPPELVRVLS AMLFLIGCLLFVLTPTFVFCYMEDWSKLEAIFYVIVTLTTVGF GDYVAGADPRQD SPAYQPLVFWF WILL GLAYFASVLT TIGNWLRVSRRTAEMGGLTAQAASWTGTVTARVTQRAGPAAPPPEKEQPLPPPPCPA QPLGRPRSPPEKAQPPSPPTASALDYPSENLA FIDESSDTQSERGCPLPRAPRRRRPNPPRKPVRPR GPGRPRDKGVPV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	42.5 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>NP_201567</u>



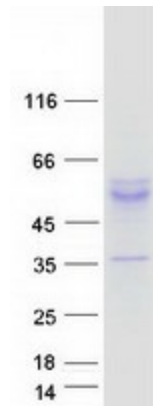
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Locus ID: 50801
UniProt ID: [Q9NYG8](#), [A0A024R5C7](#), [Q2YDA1](#)
RefSeq Size: 1702
Cytogenetics: 11q13.1
RefSeq ORF: 1296
Synonyms: FHEIG; K2p4.1; TRAAK; TRAAK1

Summary: This gene encodes a member of the TWIK-related arachidonic acid-stimulated two pore potassium channel subfamily. The encoded protein homodimerizes and functions as an outwardly rectifying channel. This channel is regulated by polyunsaturated fatty acids, temperature and mechanical deformation of the lipid membrane. This protein is expressed primarily in neural tissues and may be involved in regulating the noxious input threshold in dorsal root ganglia neurons. Alternate splicing results in multiple transcript variants. Naturally occurring read-through transcripts also exist between this gene and the downstream testis expressed 40 (TEX40) gene, as represented in GeneID: 106780802. [provided by RefSeq, Nov 2015]

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:



Coomassie blue staining of purified KCNK4 protein (Cat# TP313846). The protein was produced from HEK293T cells transfected with KCNK4 cDNA clone (Cat# [RC213846]) using MegaTran 2.0 (Cat# [TT210002]).