

Product datasheet for PH313846

KCNK4 (NM_033310) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KCNK4 MS Standard C13 and N15-labeled recombinant protein (NP_201567)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213846
Predicted MW:	42.5 kDa
Protein Sequence:	>RC213846 representing NM_033310 Red=Cloning site Green=Tags(s)

MGAGDAGASAESAVTTAPQEPPARPLQAGSGAGPAPGRAMRSTLLALLALVLLYLVSALVFRALQPH
EQQAQRELGEVREKFLRAHPCVSDQELGLLIKEVADALGGADPETNSTSNSSSAWDLGSAFFFSGTII
TTIGYGNVALRTDAGRLFCIFYALVGIPLFGILLAGVGDRLGSSLRHGIGHIEAIFLKWHPPELVRVLS
AMLFLLIIGCLLFVLTPTFVFCYMEDWSKLEAIYFVIVTLTTVGFGDYVAGADPRQDSPAYQPLVWFWILL
GLAYFASVLTITIGNWLRVVSRRTRAEMGGLTAQAASWTGTARVTQRAGPAAPPPEKEQPLPPPPCPA
QPLGRPRSPPEKAQPPSPPTASALDYPSENLAFIGDESSDTQSERGCPLPRAPRGRRRPNPPKPVVRP
GPGRPRDKGVPV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_201567</u>
RefSeq Size:	1702
RefSeq ORF:	1296
Synonyms:	FHEIG; K2p4.1; TRAAK; TRAAK1



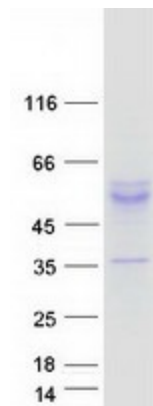
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Locus ID: 50801
UniProt ID: [Q9NYG8](#), [A0A024R5C7](#), [Q2YDA1](#)
Cytogenetics: 11q13.1

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]).