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Product datasheet for PH313514

KCNAB3 (NM_004732) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KCNAB3 MS Standard C13 and N15-labeled recombinant protein (NP_004723)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213514
Predicted MW:	43.7 kDa
Protein Sequence:	>RC213514 protein sequence Red=Cloning site Green=Tags(s) MQVSIACTEQNLRSRSSEDRLCGPRPGPGGGNGGPAGGGHGNPPGGGGSGPKARAALVPRPPAPAGALRE STGRGTGMKYRNLGKSGLRVSCLGLGTWVTFGSQISDETAEDVLTVAYEHGVNLFDTAEVYAAGKAERTL GNILKSKGWRRSSYVITTKIFWGGQAETERGLSRKHIIEGLRGSLERLQLGYVDIVFANRSDPNCPMEEI VRAMTYVINQGLALYWGTSRWGAAEIMEAYSMARQFNLIPPVCEQAEHHLFQREKVEMQLPELYHKIGVG SVTWYPLACGLITSKYDGRVPDTCRASIKGYQWLKDKVQSEDGKKQQAKVMDLLPVAHQLGCTVAQLAIA WCLRSEGVSSVLLGVSSAEQLIEHLGALQVLSQLTPQTVMEIDGLLGNKPHSKK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	50 ug/ml as determined by BCA
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	100 mM glycine, 25 mM Tris-HCl, pH 7.3. Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004723
RefSeq Size:	2458
RefSeq ORF:	1212
Synonyms:	AKR6A9; KCNA3.1B; KCNA3B; KV-BETA-3
Locus ID:	9196
UniProt ID:	O43448

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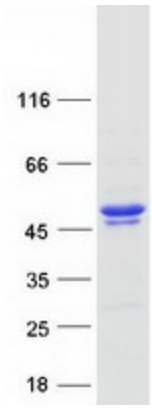
Cytogenetics: 17p13.1

Summary: This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. The encoded protein is one of the beta subunits, which are auxiliary proteins associating with functional Kv-alpha subunits. The encoded protein forms a heterodimer with the potassium voltage-gated channel, shaker-related subfamily, member 5 gene product and regulates the activity of the alpha subunit. [provided by RefSeq, May 2012]

Protein Families: Druggable Genome, Ion Channels: Other

Product images:



Coomassie blue staining of purified KCNAB3 protein (Cat# [TP313514]). The protein was produced from HEK293T cells transfected with KCNAB3 cDNA clone (Cat# [RC213514]) using MegaTran 2.0 (Cat# [TT210002]).