

## Product datasheet for PH307464

### KCNIP4 (NM\_001035004) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	KCNIP4 MS Standard C13 and N15-labeled recombinant protein (NP_001030176)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207464
Predicted MW:	28.7 kDa
Protein Sequence:	>RC207464 protein sequence Red=Cloning site Green=Tags(s)  MNVRRVESISAQLEEASSTGGFLYAQNSTKRSIKERLMKLLPCSAAKTSSPAIQNSVEDELEMATVRHRP EAELELLEAQSKFTKELQILYRGFKNECPGSGVNEETFKEIYSQFFPQGDSTTYAHFLFNAFDTDHNGAV SFEDFIKGLSILLRGTVQEKLNWAFNLYDINKDGYITKEEMLDIMKAIYDMMGKCTYPVLKEDAPRQHVE TFFQKMDKNKDGVVTTIDEFIESCQKDENIMRSMQLFENVI  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_001030176</a>
RefSeq Size:	2345
RefSeq ORF:	753
Synonyms:	CALP; KCHIP4
Locus ID:	80333
UniProt ID:	<a href="#">Q6PIL6</a> , <a href="#">A8K4N3</a>



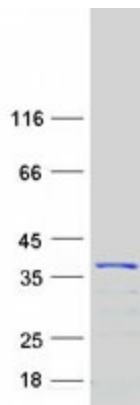
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**Cytogenetics:** 4p15.31-p15.2

**Summary:** This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belong to the recoverin branch of the EF-hand superfamily. Members of the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. They are integral subunit components of native Kv4 channel complexes. They may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. This protein member also interacts with presenilin. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Ion Channels: Other

### Product images:



Coomassie blue staining of purified KCNIP4 protein (Cat# [TP307464]). The protein was produced from HEK293T cells transfected with KCNIP4 cDNA clone (Cat# [RC207464]) using MegaTran 2.0 (Cat# [TT210002]).