

Product datasheet for PH308255

KCNIP1 (NM_014592) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KCNIP1 MS Standard C13 and N15-labeled recombinant protein (NP_055407)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208255
Predicted MW:	25.2 kDa
Protein Sequence:	>RC208255 protein sequence Red=Cloning site Green=Tags(s) MGAVMGTFSSLQTKQRRPSKDKIEDELEMTMVCHRPEGLEQLEAQTNFTKRELQVLYRGFKNECPSGVVN EDTFKQIYAQFFPHGDASTYAHYLFNAFDTTQTGSKFEDFVTALSILLRGTVHEKLRWTFNLVDINKDG YINKEEMMDIVKAIYDMMGKYTPVLKEDTPRQHVDVFFQKMDKNKDGIVTLDEFLESCQEDDNI MRSLQ LFQNVN 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:	NP_055407
RefSeq Size:	2028
RefSeq ORF:	648
Synonyms:	KCHIP1; VABP
Locus ID:	30820
UniProt ID:	Q9NZI2 , Q9NZI2-2



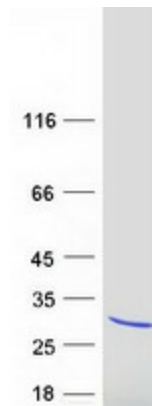
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Cytogenetics: 5q35.1

Summary: This gene encodes a member of the family of cytosolic voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belong to the neuronal calcium sensor (NCS) family of the calcium binding EF-hand proteins. They associate with Kv4 alpha subunits to form native Kv4 channel complexes. The encoded protein may regulate rapidly inactivating (A-type) currents, and hence neuronal membrane excitability, in response to changes in the concentration of intracellular calcium. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]

Protein Families: Druggable Genome, Ion Channels: Other

Product images:



Coomassie blue staining of purified KCNIP1 protein (Cat# [TP308255]). The protein was produced from HEK293T cells transfected with KCNIP1 cDNA clone (Cat# [RC208255]) using MegaTran 2.0 (Cat# [TT210002]).