Recombinant Human KCNIP3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KCNIP3-2355H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KCNIP3 MS Standard C13 and N15-labeled recombinant protein (NP_038462) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins, which belong to the recoverin branch of the EF-hand superfamily. Members of this family are small calcium binding proteins containing EF-hand-like domains. They are integral subunit components of native Kv4 channel complexes that may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. The encoded protein also functions as a calcium-regulated transcriptional repressor, and interacts with presenilins. Alternatively spliced transcript variants encoding different isoforms have been described.
Molecular Mass	29.2 kDa
AA Sequence	MQPAKEVTKASDGSLLGDLGHTPLSKKEGIKWQRPRLSRQALMRCCLVKWILSSTA PQGSDSSDSELELSTVRHQPEGLDQLQAQTKFTKKELQSLYRGFKNECPTGLVDED TFKLIYAQFFPQGDATTYAHFLFNAFDADGNGAIHFEDFVVGLSILLRGTVHEKLKWA FNLYDINKDGYITKEEMLAIMKSIYDMMGRHTYPILREDAPAEHVERFFEKMDRNQD GVVTIEEFLEACQKDENIMSSMQLFENVITRTRPLEQKLISEEDLAANDILDYKDDDDK

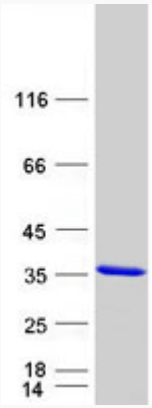
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	KCNIP3 potassium voltage-gated channel interacting protein 3 [Homo sapiens (human)]
Official Symbol	KCNIP3
Synonyms	KCNIP3; Kv channel interacting protein 3, calsenilin; calsenilin, presenilin binding protein, EF hand transcription factor, CSEN; calsenilin; DREAM; KCHIP3; DRE-antagonist modulator; kv channel-interacting protein 3; potassium channel interacting protein 3; A-type potassium channel modulatory protein 3; calsenilin, presenilin-binding protein, EF hand transcription factor; CSEN; MGC18289;
Gene ID	30818
mRNA Refseq	NM_013434
Protein Refseq	NP_038462

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MIM	604662
UniProt ID	Q9Y2W7
SDS-PAGE	

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