

32-4040: Recombinant Human Kv Channel Interacting Protein 3

Alternative Name : Calsenilin,A-type potassium channel modulatory protein 3,DRE-antagonist modulator,Kv channel-interacting protein 3,KCNIP3,CSEN,DREAM,KCHIP3,MGC18289.

Description

Source : Escherichia Coli. KCNIP3 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 276 amino acids (1-256 a.a.) and having a molecular mass of 31.4kDa. The KCNIP3 is purified by proprietary chromatographic techniques. KCNIP3 belongs to a family of voltage-gated potassium (Kv) channel-interacting proteins, which belong to the recoverin branch of the EF-hand superfamily. KCNIP family members are small calcium binding proteins containing EF-hand-like domains. KCNIP3 also functions as a calcium-regulated transcriptional repressor, and interacts with presenilins. Mutations in the presenilin genes are implicated in Alzheimer's disease.

Product Info

Amount : 20 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : The KCNIP3 solution (1 mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.
Storage condition : KCNIP3 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MQPAKEVTKA SDGSLLGDLG HTPLSKKEGI KWQRPRLSRQ
 ALMRCCLVKW ILSSTAPQGS DSSDSELELS TVRHQPEGLD QLQAQTKFTK KELQSLYRGF KNECPTGLVD
 EDTFKLIYAQ FFPQGDATTY AHFLNFAFDA DGNGAIHFED FVGLSILLR GTVHEKLKWA FNLYDINKDG
 YITKEEMLAI MKSIYDMMGR HTYPILREDA PAEHVERFFE KMDRNQDGVV TIEEFLEACQ KDENIMSSMQ
 LFENVI.

